

SMT-C7160

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Den här guiden kan ändras på grund av produktförbättringar, standardisering och andra tekniska skäl utan föregående meddelande.

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SÄKERHETSFÖRESKRIFTER

Syftet med avsnittet om säkerhetsföreskrifter är att skydda användaren och förebygga egendomsskador. Läs noga igenom det här dokumentet och använd enheten enligt anvisningarna.

Anmärkningar



Varning

Innehåller information eller anvisningar som du bör följa för att undvika personskador och dödsfall.



Viktigt

Innehåller information eller anvisningar som du bör följa för att undvika fel på tjänsten eller skador på digitalboxen.



Obs!

Innehåller ytterligare viktig information.



Kontroller

Anger vad användaren bör kontrollera för att systemet ska fungera stabilt.

Symboler



Viktigt

Innebär allmän försiktighetsinformation



Begränsning

Innebär att en viss åtgärd inte får vidtas på produkten



Anvisning

Innebär att en viss nödvändig åtgärd måste vidtas



VARNING

Ström



Anslut nätkabelns kontakt ordentligt.



Rör inte vid enheten, nätkabeln eller kontakten med våta händer.



Anslut inte flera enheter till samma uttag på samma gång.



Dra ut nätanslutningen och kontakta kundtjänst omedelbart om video-/ljudkabeln genererar värme när den har anslutits.

Installation/underhåll



Installera produkten på en plats med god ventilation.



Installera inte produkten på fuktiga eller dammiga platser, och undvik att installera den nära värmeapparater.



Förvara inte lättantändliga ämnen eller sprejer i närheten av digitalboxen.



Placera inga tunga föremål på produkten.



Täck inte produktens överdel.



Dra ut kontakten vid åska och när enheten inte används under längre perioder.



Om du märker av konstiga ljud, en ovanlig lukt eller rök ska du dra ut nätkabeln med en gång och kontakta kundtjänst.



Placera inte tunga föremål på digitalboxen eftersom det kan medföra att funktionerna på framsidan inte fungerar.

Allmänt



Kontrollera att koaxialkabeln är jordad innan du ansluter den till digitalboxen.



Lysdiodsprodukt av klass 1.



Be installationsteknikern kontrollera att den digitalbox som ska anslutas är jordad.



Den här produkten uppfyller kraven i den amerikanska föreskriften 21 CFR kapitel 1, underkapitel J.



VARNING!

Ström



Anslut inte TV:n förrän du har stängt av TV:n och digitalboxen genom att dra ut nätanslutningarna.



Sätt inte i kontakten till nätkabeln innan du ansluter nätkabeln till enheten.



Nätanslutningen måste finnas i närheten av enheten och det måste vara enkelt att få åtkomst till den.



Innan du ansluter en strömkälla måste du se till att nätanslutningen är jordad.

Installation/underhåll



Installera produkten genom att följa anvisningarna i bruksanvisningen.



Spruta inte vatten direkt på enheten och använd inga kemiska lösningsmedel som vax, myggspray, alkohol eller rengöringsmedel.



Placera enheten på ett stabilt underlag.



Du får inte ta isär, reparera eller ändra på produkten.



Ingen anslutning till antennen.



Ta inte ut CableCARD™ från digitalboxen.



Placera inte metallföremål som nålar, gem eller mynt på enheten.



Risk för elektriska stötar. ÖPPNA INTE.



Rengör produkten genom att torka av den med en mjuk och torr trasa.

INNEHÅLLSFÖRTECKNING

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Kabeldigitalbox med digital HD-videoinspelare

SMT-C7160 är en kabeldigitalbox med en digital HD-videoinspelare.

Huvudfunktioner i SMT-C7160

Bildvisning med HD-kvalitet (High Definition)

Funktioner för högupplöst video på upp till 1080i, vilket ger dig en tydlig och skarp bild.

Dolby Digital-ljud

Realistiskt digitalt ljud genom anslutning till en mottagarförstärkare via SPDIF-utgången, som har stöd för Dolby Digital.

EPG-funktioner

Med hjälp av EPG-kanalguiden kan du kontrollera programinformation och sändningsschemat för en viss kanal, och planera vilka program du vill titta på.



Funktioner i den digitala videoinspelaren

Du kan göra följande:

- Du kan spela in högst två program. Om du spelar in två program samtidigt kan du titta på ett av de program som spelas in.
- Du kan titta på TV samtidigt som du spelar in. Du kan pausa, spela upp, spola tillbaka och spola framåt.

[Tidsförskjutning]

Med hjälp av tidsförskjutningsfunktionen kan du spela in ett program och förflytta dig i programmet. Eftersom det program du tittar på spelas in kan du titta på delar av programmet som du har missat.


Om du vill starta tidsförskjutning trycker du på **Pause** (), om du vill stoppa tidsförskjutningen trycker du på **Stop** ().

Tidsförskjutningsbufferten på hårddisken används för tidsförskjutningsfunktionen.

[Snabbinspelning]

Du kan spela in det program du tittar på. En tillfällig inspelning startar när du byter kanal och stoppar när du byter kanal. När en tillfällig inspelning pausa startar samtidigt en annan tillfällig inspelning.

[Inspe­ling]

Om du vill spela in ett TV- eller radioprogram i det interna minnet trycker du på REC () på fjärrkontrollen eller framsidan av digitalboxen.



Under inspe­ling, var vänlig stäng ej av boxen med huvudströmbrytaren eller genom att drag ut strömkabeln. Om så är fallet, kan den pågående inspe­lingen förloras. (Om boxen går ner i Standby-läge, avbryt ej detta genom att trycka på Power-knappen.)

[Aktivt standbyläge/Standbyläge]

Om du trycker på POWER () när digitalboxen används (i aktivt läge) växlar den från aktivt läge till aktivt standbyläge.

Efter fem minuter växlar digitalboxen automatiskt till standbyläge.

I standbyläget stängs digitalboxen av, vilket innebär att alla tjänster placeras i standbyläge. (Skärmen på framsidan stängs av, ingen TV-tjänst, ingen kylfläkt, Enbart rött ljus på frontpanelen är på.)

Det enda som är aktivt är knappen POWER, som du använder till att växla till det aktiva läget.

Om du vill sätta på digitalboxen i standbyläget trycker du på POWER. Digitalboxen växlar automatiskt till det aktiva standbyläget.

När du växlar till det aktiva läget måste startprocessen utföras, vilket gör att det tar längre tid att starta än att växla från det aktiva standbyläget till det aktiva läget.

Klockan 04:00 växlar digitalboxen från standbyläget till uppgraderingsläget. I uppgraderingsläget tar digitalboxen emot tjänsteinformation. Under den här perioden kan olika åtgärder utföras på digitalboxen.



Om digitalboxen är i standbyläge och stängs av med strömknappen eller genom att du drar ut strömsladden ska du se till att den främre lampan är helt släckt innan du sätter på boxen igen.

Förpackningens innehåll

Kontrollera att följande finns i förpackningen för enheten.



SMT-C7160



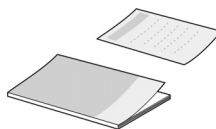
RF-eller GIS-kabel



standard-HDMI®-kabel



Fjärrkontroll
(med AAA-batteri)



användarhandbok/
broschyr om nätverks-ID/snabbhandbok

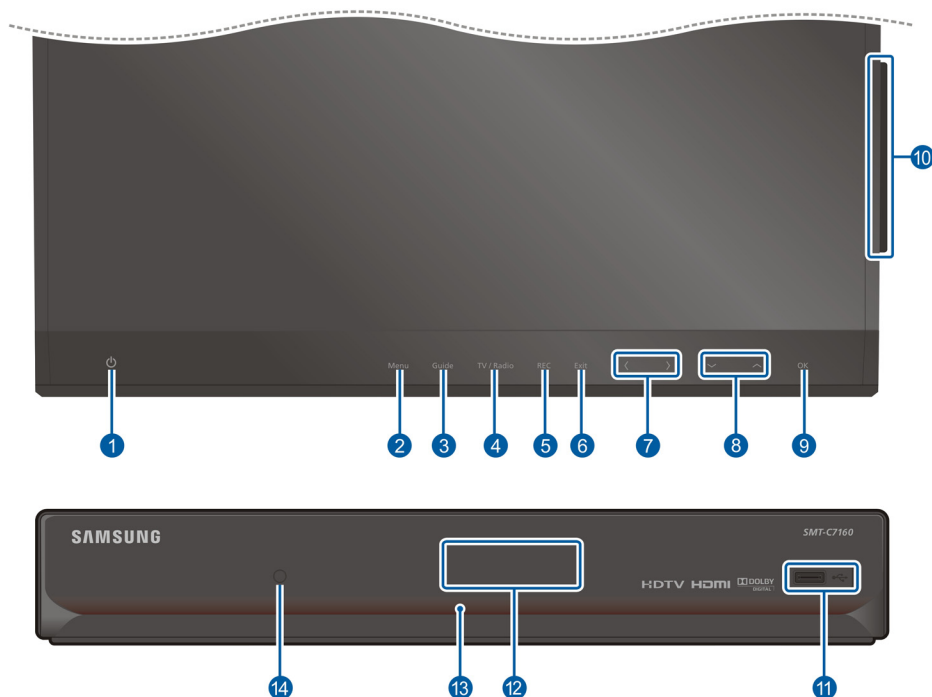
* För Com Hem-prenumeranter medföljer GIS-kablar i stället för RF-kablar, och dessutom medföljer en extra broschyr tillsammans med användarhandboken.

Namn och funktioner

I det här avsnittet beskrivs namnen och funktionerna för de olika delarna.

Pekplatta och framsida

I det här avsnittet beskrivs pekplattan och framsidan.



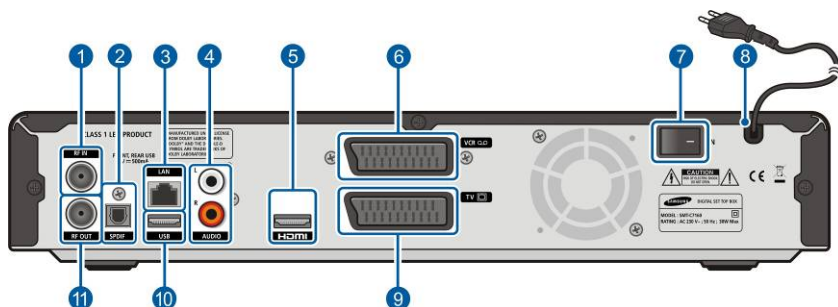
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FÖRE ANVÄNDNING

Namn	Beskrivning
① Ström	Ändra läget på digitalboxen till standbyläge eller aktivt läge.
② Menu	Visa huvudmenyn.
③ Guide	Visa kanalguiden.
④ TV/Radio	Växla mellan TV och radio.
⑤ REC	Spela in programmet på hårddisken.
⑥ Exit	Stäng menyn och kanalguiden.
⑦ < / >	Aktivera tidsförskjutningsläget eller förflytta dig åt vänster eller åt höger på menyn.
⑧ ∨ / ∧	Byt kanal eller förflytta dig uppåt eller nedåt på menyn.
⑨ OK	Välj menyalternativ eller funktion.
⑩ Kortplats för smartkort	Kortplats för smartkort.
⑪ USB	Sätt i ett USB-minne. (Endast FAT-filsystem.)
⑫ Skärm	Programinformation osv.
⑬ Röd lysdiod	Den röda lysdioden tänds/aktiveras när digitalboxen är i det aktiva läget samt när den startas.
⑭ IR-mottagare	Ta emot signaler från fjärrkontrollen.

Baksida

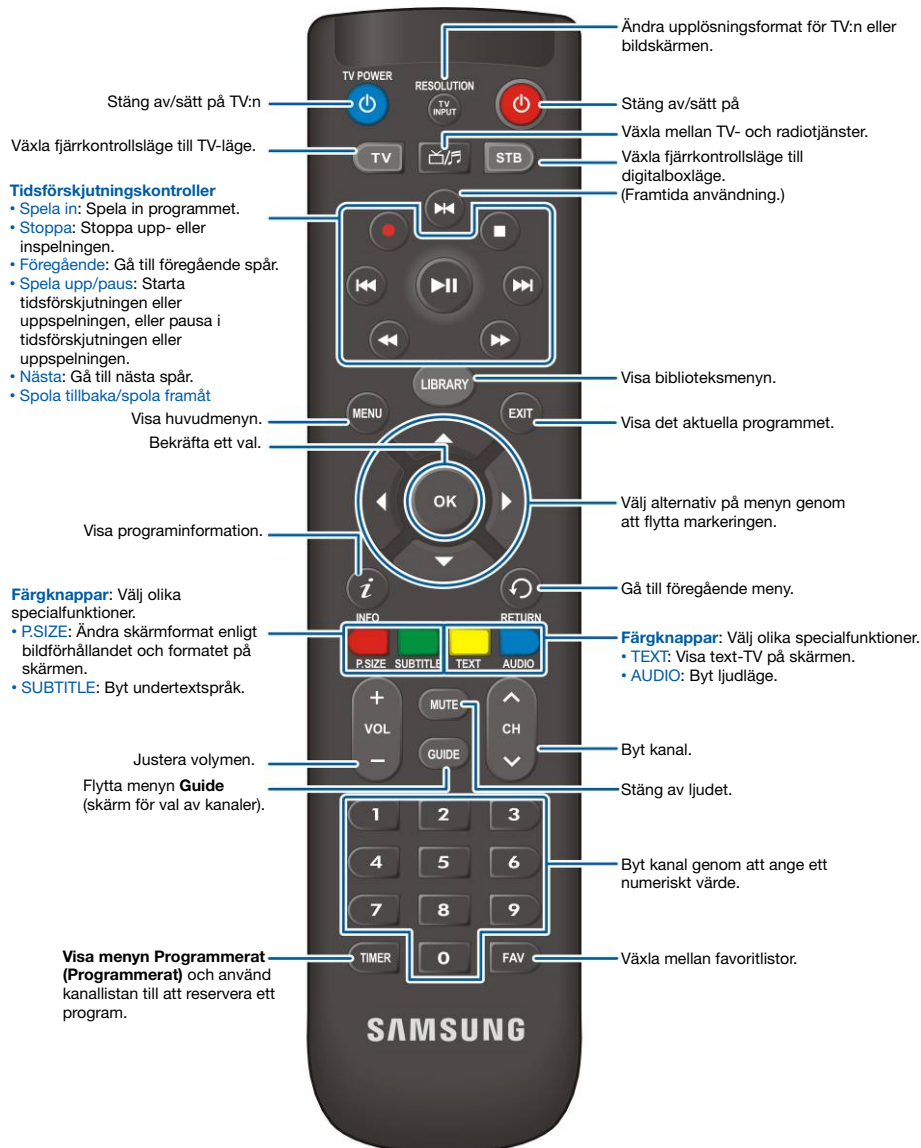
I det här avsnittet beskrivs namnen och funktioner för de olika anslutningarna på baksidan.



Namn	Beskrivning
1 RF IN	Anslutning för koaxialkabeln från Comhem uttaget.
2 SPDIF	Digital ljudutgång som ansluts till ett ljudsystem med en SPDIF-port via en optisk kabel.
3 LAN	Nätverksport för anslutning av en nätverkskabel. (Framtida tjänster.)
4 AUDIO OUT (L, R)	Ljudutgång för anslutning till en vanlig analog TV, videobandspelare, radio osv. via en ljudkabel (höger/vänster).
5 HDMI ut	HDMI-utgång för anslutning till en TV via en standard-HDMI®-kabel.
6 VCR SCART	SCART-videobandspelarutgång för anslutning till en videobandspelare via en SCART-kabel.
7 Strömbrytare	Knapp som används för att sätta på/stänga av strömmen till STB-enheten.
8 Nätkabel	Kabel som ansluts till nätet.
9 TV SCART	SCART- utgång för anslutning till en TV via en SCART-kabel.
10 USB	Port för anslutning av ett USB-minne.
11 RF ut	Port för anslutning till en analog TV med RF-antenningång, så att du kan titta på analog TV.

Fjärrkontrollen

I det här avsnittet beskrivs funktionerna för fjärrkontrollens olika knappar.



Ställa in fjärrkontrollsanvändning för TV-apparaten

Du kan använda en fjärrkontroll till att kontrollera TV:n. Du kan programmera fjärrkontrollen på två olika sätt.

Använda automatisk kodsökning

1

Sätt på TV:n.

2

Tryck på och håll ned **TV** () tills lysdioden på fjärrkontrollen tänds.

3

Tryck på, håll ned och släpp **uppåtknappen** () tills TV:n stängs av.

4

Om TV:n stängs av: tryck på och släpp **OK** ().

Lysdioden blinkar tre gånger.

- Om det inte fungerar upprepar du de här stegen.

SWE


FÖRE ANVÄNDNING

Ange TVtillverkarens nummer

1

Leta reda på rätt tresiffriga nummer för TV-tillverkaren i bilagan och sätt på TV:n.

2

Tryck på och håll ned **TV** () tills lysdioden på fjärrkontrollen tänds.

3

Ange det tresiffriga numret. Lysdioden blinkar tre gånger.

- Om det inte fungerar upprepar du de här stegen med de andra numren som är angivna för TV:n.



- Det går endast att styra vissa TV-modeller från andra tillverkare, och vissa funktioner fungerar eventuellt inte.
- Om du byter batterier i fjärrkontrollen eller anger ett nytt tillverkarnummer tas det TV-tillverkarnummer du har angett bort.
- Om du har anslutit en integrerad TV-modell (videoapparat, DVD-spelare) bör du vara försiktig när du använder fjärrkontrollen eftersom den kanske styr båda två samtidigt.
- Prova ett annat nummer om konfigurationsnumret inte fungerar.

Ställa in videoupplösningen

Du kan ändra inställningarna för digitalboxen så att de stämmer överens med upplösningen för den TV eller bildskärm du har anslutit till digitalboxen.

Du kan även ändra inställningen för visningsformat.

Ställa in upplösningen

SMT-C7160 kan användas för HDMI- och SCART-anslutning.

Du kan använda följande fyra upplösningsformat för HDMI: 576p, 720p, 1080i, 1080p50fps. Du kan använda följande upplösningsformat för SCART: 576i.

Så här ändrar du inställningen:

Tryck på **Resolution** () på fjärrkontrollen.

När du trycker på knappen ändras upplösningen, som visas längst upp till höger på skärmen.

Du kan tillämpa den ändrade upplösningen genom att svara på bekräftelsemeddelandet:

- Om du väljer **[Yes]** (ja) tillämpas inställningen.
- Om du väljer **[No]** (nej) eller väntar i ungefär 10 sekunder utan att trycka på någon knapp används den befintliga upplösningen.

Visningsformat

SMT-C7160 kan användas med följande tre skärmtyper.

- 16:9-bildförhållande för TV:n: TV-mått, brevlåda eller zoom
- 4:3-bildförhållande för TV:n: TV-mått, brevlåda eller zoom

Så här ändrar du inställningen:

Tryck på **P.SIZE** () på fjärrkontrollen. Om du trycker på knappen

byter du videoformat, som även visas överst till höger på skärmen.

INSTALLATION

I det här avsnittet beskrivs hur du installerar digitalboxen (SMT-C7160).

Installationsmiljö

I tabellen nedan visas nödvändig installationsmiljö för digitalboxen.

Faktor	Beskrivning
Driftstemperatur	0-40°C
Luftfuktighet vid drift	20-80% (40°C)
Märkspänning, märkfrekvens	230 V växelström +/- 15%, 50 Hz
Märkeffekt	Max. 30 W
Sändningsfrekvens (mottagning)	47-870 MHz



När du installerar och använder produkten:

Produkten måste användas i den angivna installationsmiljön. Annars kan den skadas eller hålla en kortare tid än normalt.

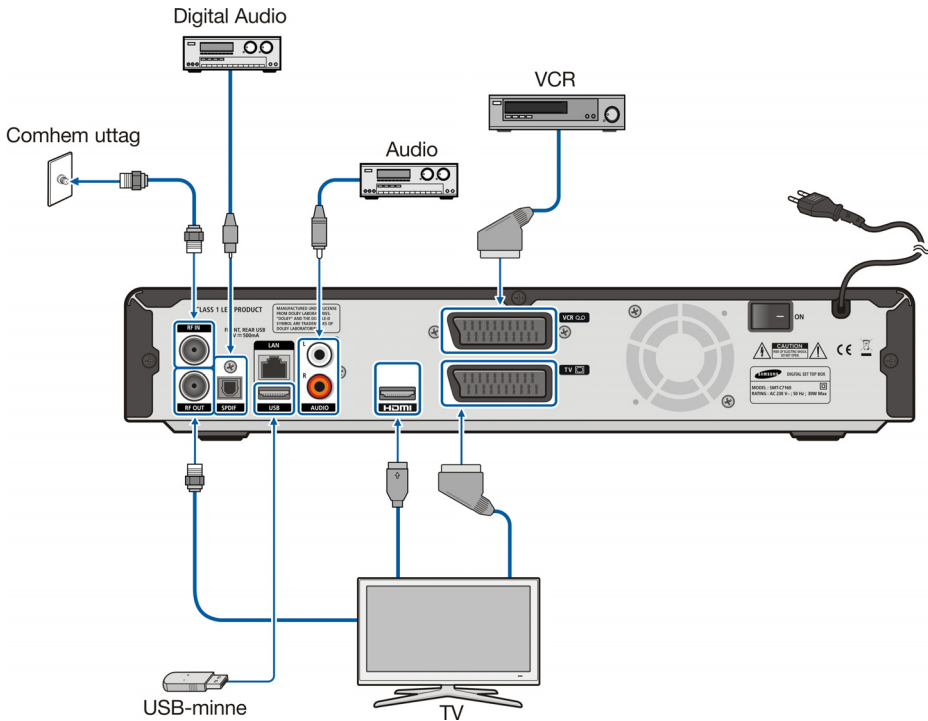


Ansluta digitalboxen till kringenheter

- Be en servicetekniker kontrollera jordningen för TV:n eller videobandspelarens nätanslutning innan du ansluter digitalboxen.
- Kontakta ditt servicecenter om kablarna blir ovanligt varma när du har anslutit video-/ljudkablar. I en sådan situation kan det börja brinna.

Ansluta kringutrustning

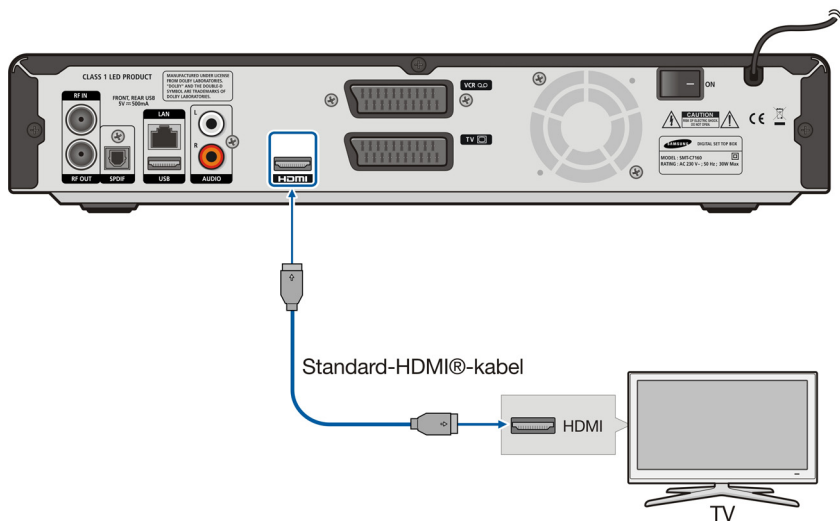
I det här avsnittet beskrivs hur du ansluter kabeln och kringutrustning till digitalboxen.



(Den faktiska produkten kan se annorlunda ut.)

Ansluta till en TV via en HDMI®-port

I det här avsnittet beskrivs hur du ansluter digitalboxen till en TV med en HDMI-port.



Anslut porten **HDMI** på baksidan av digitalboxen till en **HDMI**-port på TV:n via en HDMI-kabel.

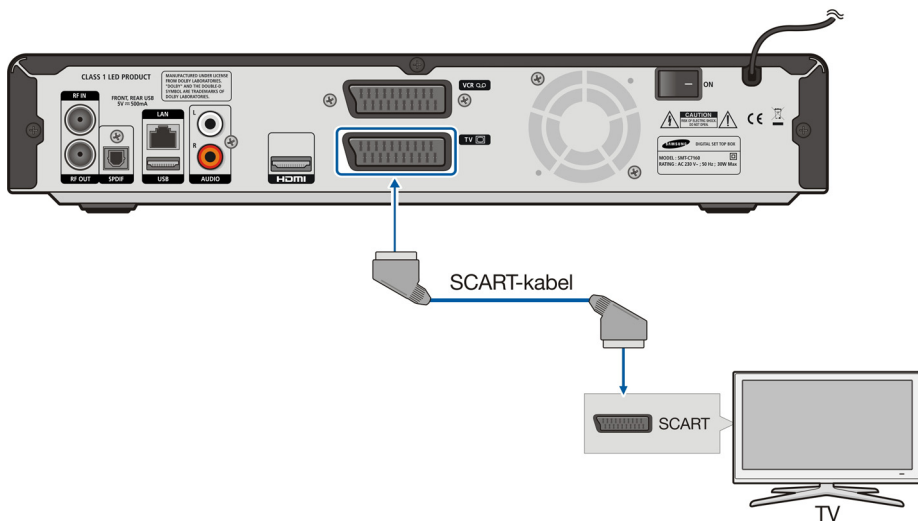


HDMI® (High Definition Multimedia Interface)

SMT-C7160 innehåller HDMI®-teknik. HDMI-porten är en port för integrerat video/ljud gör att du kan få video med HD-upplösningen när du ansluter digitalboxen till en HD ready TV. Anslut den till HDMI-porten på en HD-TV.

Ansluta till en TV via en SCART-port

I det här avsnittet beskrivs hur du ansluter digitalboxen till en TV med en SCART-port.



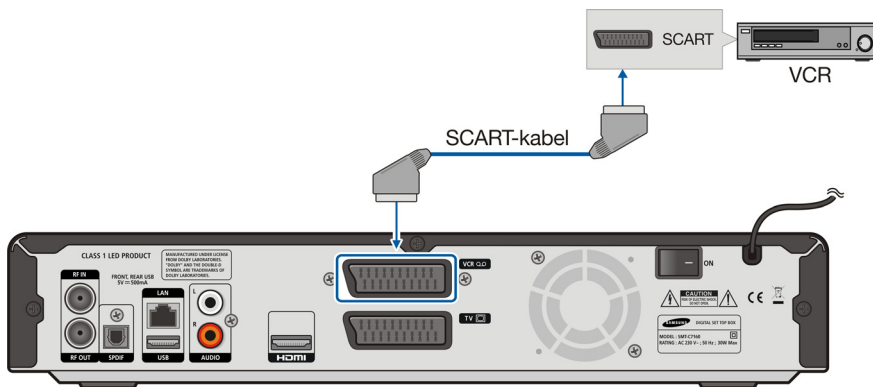
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INSTALLATION

Anslut porten **TV SCART** på baksidan av digitalboxen till en **SCART**-port på TV:n via en SCART-kabel.

Ansluta till en videobandspelare via en SCART-port

I det här avsnittet beskrivs hur du ansluter en videobandspelare till digitalboxen via en SCART-kabel.



Anslut porten **VCR SCART** på baksidan av digitalboxen till en **SCART**-port på videobandspelaren via en SCART-kabel.



När du ansluter till en videoapparat:

När du ansluter till en videobandspelare måste du stänga av videobandspelaren och digitalboxen och dra ut kontakten till dem. Därefter ansluter du digitalboxen till videobandspelaren. Du kan enkelt ansluta den genom att följa anvisningarna i videoapparatens bruksanvisning.

- Det är inte säkert att det går att spela in program som sänds med signaler som förebygger inspelning.

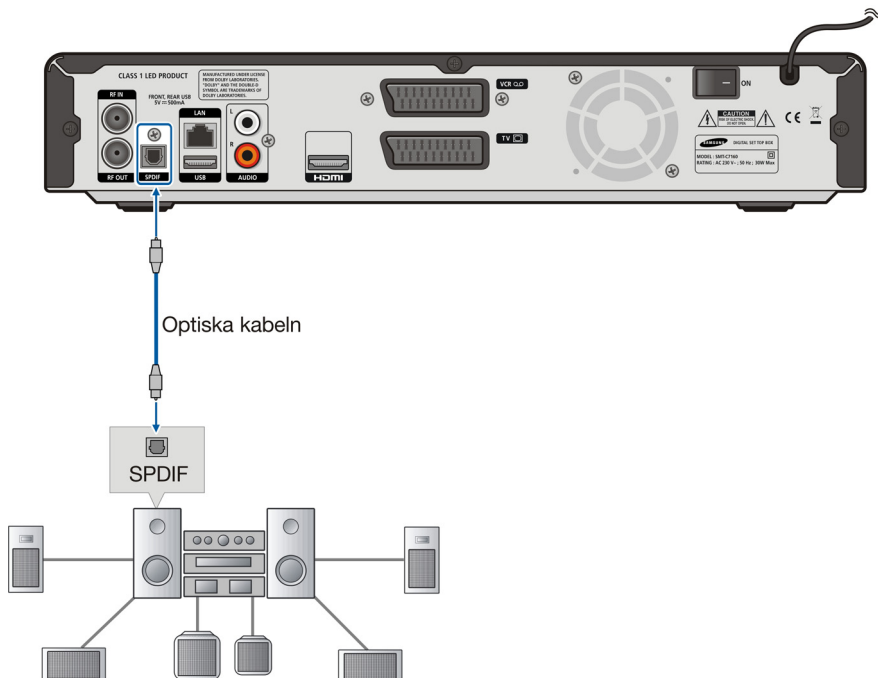


Installationsmeddelande från Rovi

Anslut inte enheten via en videobandspelare. De videosignaler som överförs via en videobandspelare kan påverkas av system för copyrightskydd och medföra att bilden på TV:n förvrängs.

Ansluta till en Dolby Digital-ljudenhet

I det här avsnittet beskrivs hur du ansluter till en enhet med digitalt ljud (en förstärkare eller hemmabioanläggning med Dolby Digital-avkodningsfunktioner).



Anslut den optiska kabeln för digitalt ljud mellan porten **DIGITAL AUDIO OUT** på baksidan av digitalboxen till **Digital audio in (SPDIF)**-porten på Dolby Digital-ljudenheten.

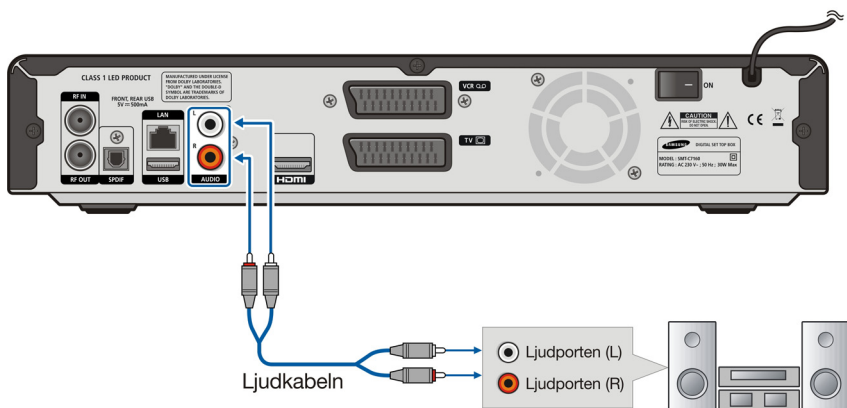


När du ansluter till en Dolby Digital-ljudenhet

- Även när en Dolby Digital-förstärkare har anslutits till den digitala ljudutgången bör du ansluta ljudutgången till ljudingången på en TV så att TV-apparatens högtalare kan användas.
- Ställ in volymen på den digitala förstärkaren, och inte på mottagaren, när du använder den digitala ljudutgången.

Ansluta till en ljudenhet

I det här avsnittet beskrivs hur du ansluter till en ljudenhet.

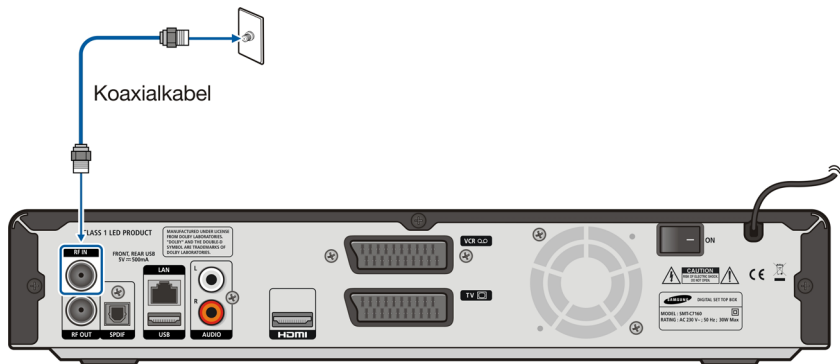


Anslut ljudkabeln till porten **AUDIO** på baksidan av digitalboxen till **Audio-ljudporten** på ljudenheten.

Anslutning till ett Comhem uttag

I det här avsnittet beskrivs hur du ansluter till ett Comhem uttag.

Anslut en koaxialkabel som är ansluten till en ett Comhem uttag till RF IN-porten.

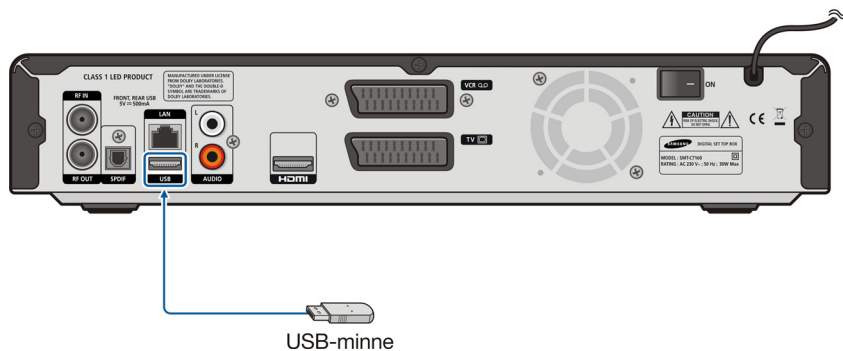


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INSTALLATION

USB-anslutning

I det här avsnittet beskrivs hur du ansluter ett USB-minne.



HUR DU ANVÄNDER PRODUKTEN

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HUR DU ANVÄNDER PRODUKTEN

Installationsguide

Innan du kan titta på TV-program måste du slutföra den installationsguide som visas när du sätter på digitalboxen första gången.

Förberedelse-Sätt i smartkortet

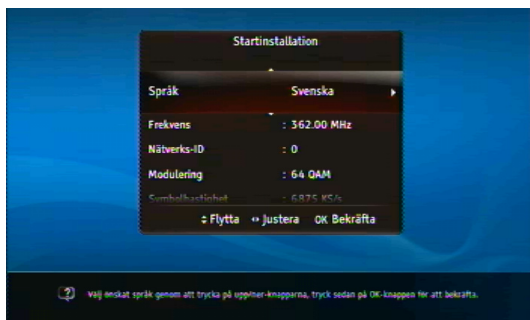
Sätt i smartkortet på kortplatsen för smartkort på sidan av digitalboxen. (Var vänlig sätt in programkortet med Chipet nedåt.)



Steg 1- Språkval / Nätverks inställningar

I detta läge väljer du de språk som skall användas i EPG:n samt i vanliga menyn.

- Tryck på **vänster/höger navigationsknapp** för att välja språk (Svenska/Danska/Finska/Norska/Engelska).
- Ange lämpliga inställningar för varje objekt. (Frekvens/Nätverks-ID/Modulation/Symbolhastighet). Du får inställningarna i en separat blankett.
- Tryck OK knappen för att gå vidare till nästa steg.



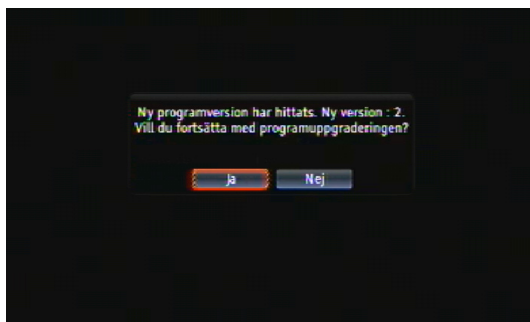
Steg 2- Ny mjukvaru sökning

I detta läge skall digitalboxen söka efter en mjukvaru uppdatering.

- Om en ny mjukvara hittas, välj **JA** och tryck på **OK** knappen för att starta uppdateringen.

När mjukvaru uppdateringen är klar skall digitalboxen automatiskt bootas om för att tillämpa den nya mjukvaran.

- Om uppdateringen inte upptäcks går installationen till nästa steg.




Steg 3-Kanal sökning

Digitalboxen skall automatiskt genomföra en kanalsökning för att uppdatera sin kanalbas.

- Efter rätt genomförd kanalsökning skall digitalboxen visa hittade TV och radiokanaler.
- Tryck på Ok knappen för att bekräfta och installationsguiden skall då avslutas.

Använda grundläggande funktioner

Information om tjänsten

Om du går till en annan kanal eller trycker på INFO () visas kanalinformation på skärmen.




- Här visas mer information om program, tider osv.



SWE

HUR DU ANVÄNDER PRODUKTEN

Byta kanal

Om du vill växla till en annan kanal trycker du på **CH**  ( / ).

Volymkontroll/stänga av ljudet

Om du vill justera volymen trycker du på

VOL+/- ().

Om du vill stänga av ljudet trycker du på

MUTE ().

Om du vill sätta på ljudet trycker du på knappen igen.



Kanallista/favoritkanaler

Om du vill visa kanallistan på skärmen trycker du på **OK**.

- Om du vill ange en favoritkanal trycker du på den gula knappen.



Guide

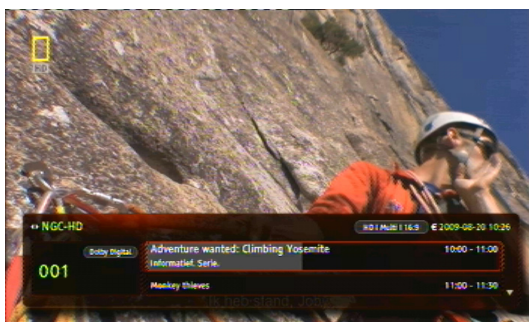
Om du vill visa EPG:n (den elektroniska programguiden) på skärmen trycker du på **GUIDE**.

- Använd färgknapparna för din val.
- Om du spelar in kan du endast titta på de kanaler du spelar in.



Informationsbänderoll

Om du vill visa informationsbänderollen när du tittar på ett program trycker du på **INFO**.



- Om du vill visa nästa program på den aktuella kanalen eller någon annan kanal använder du **navigeringsknapparna**.
- Du kan bekräfta status (kanal, titel, utsändningstid och inspelningsinställning) för det aktuella programmet.

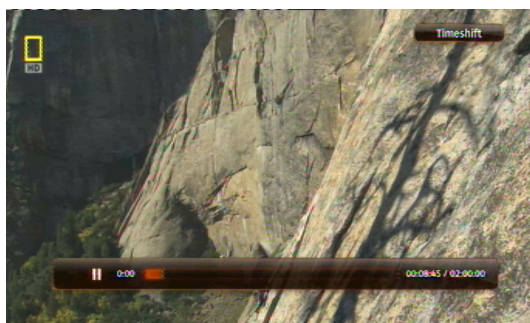
Använd huvudfunktionerna

Tidsförskjutning

Ett visst antal tidigare minuter av det program du tittar på eller den radiokanal du lyssnar sparas. (Högst 120 minuter sparas.)

Du kan använda det här tidsförskjutningsläget till att stoppa direktuppspelningen, spola tillbaka och titta på det program du precis tittade på igen.

Om du vill växla till tidsförskjutningsläget trycker du på **Play/Pause**.



SWE

HUR DU ANVÄNDER PRODUKTEN

Paus/spela upp

- Om du vill pausa i ett program så att du inte missar något trycker du på **Play/Pause**.
- Om du vill fortsätta titta på programmet trycker du på Play/Pause igen.

Spola tillbaka

- Om du vill spola tillbaka trycker du på **Rewind**.
- Tidsförskjutningen/fördröjningen av det utsända programmet ökar.
Om du vill öka tillbakaspolningshastigheten trycker du flera gånger på **Rewind**. (1, 2, 4, 8, 16, 32, 64 x hastigheten). Hur långt du kan spola tillbaka beror på inställningen för tidsförskjutningsbufferten. (Högst 120 minuter.)

Spola framåt

- Om du vill spola framåt trycker du på **Forward**.
- Tidsförskjutningen/fördröjningen av det utsända programmet minskar.
Om du vill öka framåtspolningshastigheten trycker du flera gånger på **Forward**. (1, 2, 4, 8, 16, 32, 64 eller x hastigheten.)
- Om du fortsätter spola framåt kommer du till slut att komma till det utsända programmet.

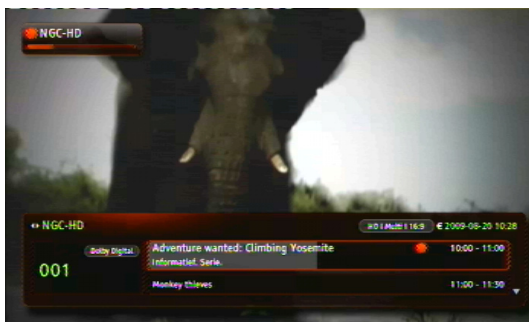
Stoppa

Om du vill avsluta tidsförskjutningsprogrammet och börja titta på programmet direkt igen trycker du på **Stop**.

Videoinspelning

Om du vill spela in en TV-eller radiokanal trycker du på **Rec**.

Förutom att spela in ett program du tittar på kan du även välja ett program att spela in i informationsbänderollen, i TV-guiden eller med hjälp av menyn Search (Sök).




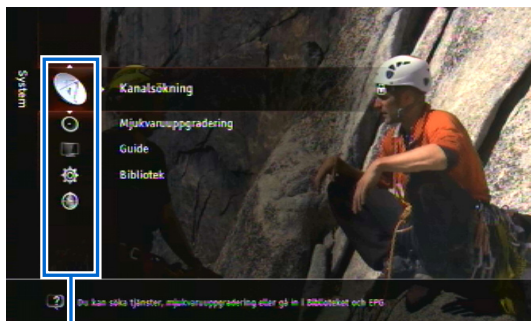
- Du kan spela in två program samtidigt och titta på ett av dem.
- När du spelar in ett program visas en röd ikon i informationsbänderollen och i kanallistan.
- Om programmet kommer att sändas senare bokas inspelningen automatiskt och sedan spelas programmet in när det sänds.
- Om du vill visa listan med inspelade program med hjälp av menyn Library (Bibliotek) trycker du på **Library**. Du kan även visa listan med bokade program med hjälp av menyn Programmed (Programmerat).
- Om du trycker på **Timer** när du tittar på TV visas tidsmenyskärmen. På den här skärmen kan du ange typ, datum, övervakningstid, inspelningslås osv. för inspelning.



- Om du vill stoppa inspelningen av det program du tittar på trycker du på **Stop** eller **Rec**.
- Du kan använda menyn Programmed (Programmerat) till att ta bort bokade program.

Huvudmenyn

Om du trycker på **MENU** () när du tittar på TV visas huvudmenyn, enligt följande:



Huvudmenyn


System/Ljud/Bild/Inställningar
/Programmerat/Brevlåda

SWE

HUR DU ANVÄNDER PRODUKTEN

- Använd knappen () till att välja ett alternativ.

Om du vill gå till en undermeny trycker du på (), om du vill gå tillbaka till föregående meny trycker du på ().

- När önskad meny hittas trycker du på OK () för att gå till den valda menyskärmen.



Innan du använder produkten

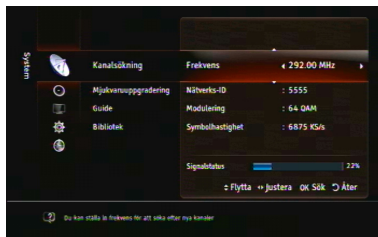
Informationen i det här kapitlet kan komma att ändras av programleverantören utan föregående skriftligt meddelande i syfte att förbättra tjänsten eller tillhandahålla en ny tjänst. Om tjänsten har ändrats kan du kontakta ett lokalt servicecenter.

System

Kanalsökning

Du kan söka efter kanaler genom att ange nätverksinformation.

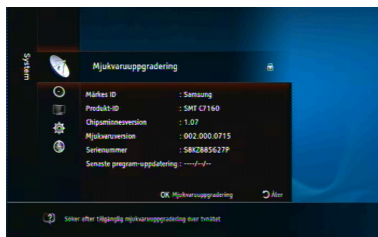
- Om du vill justera frekvens, nätverks-ID, modulering eller symbolhastighet använder du vänster/höger eller anger värdena direkt.
- Om du vill börja söka trycker du på OK.
- Vänta tills sökningen har slutförts helt.
- Om du vill använda sökresultaten trycker du på OK, om du vill avbryta sökningen trycker du på Return.
- Innan du kan använda menyn Scanning (Sökning) måste du ange en PIN-kod. PIN-koden är som standard '0000'.



Mjukvaruuppgradering

Du kan kontrollera programvaruversion för digitalboxen och uppgradera den till den senaste versionen.

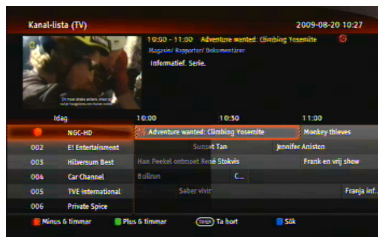
- Information om varumärkes-ID, produkt-ID, version av fast programvara, programvaruversion och senaste programvaruuppdatering visas.
- Om du vill uppgradera programvaran trycker du på OK.
- Innan du kan använda uppgraderingsmenyn måste du ange en PIN-kod. PIN-koden är som standard '0000'.



Kanal-lista

Du kan gå till kanallistan, där programlistan per kanal, programinformation osv. visas.

- Färgknappen på fjärrkontrollen används enligt de funktioner som visas längst ned på skärmen.
- Om du vill söka efter ett program trycker du på den blåa knappen.
- Välj ett kanalprogram med riktningssknapparna. Om du vill titta på en kanal trycker du på OK.
- Du kan schemalägga program genom att välja program i programlistan och sedan trycka på TIMER. När det är dags för det schemalagda programmet visas kanalen i fråga automatiskt. Om du trycker på TIMER igen avbryts schemaläggningen. Om du vill visa listan med schemalagda program går du till **[Huvudmeny]** → **[Programmerat]**.



SWE

HUR DU ANVÄNDER PRODUKTEN

Bibliotek

På den här skärmen kan du visa listan med sparat innehåll.

- Du kan välja följande alternativ: Videoinspelningar, Radioinspelningar, Musik, Bilder, Alla kategorier.



Ljud

Ljutfördröjning

Du kan ställa in tidsskillnaden för högtalarutmatningen i ett hemmabiosystem.

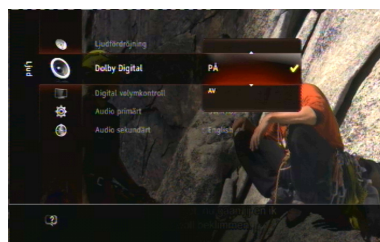
- Höger/vänster riktningsknapp används för att ställa in tiden.
- Innan du kan använda ljutfördröjningsmenyn måste du ange en PIN-kod. PIN-koden är som standard '0000'.



Dolby Digital

Används för att aktivera/avaktivera Dolby Digital-ljud, som är tillgängligt om programleverantören har funktioner för Dolby Digital-ljud.

- Standardinställningen är PÅ.



Digital volymkontroll

Används för att ställa in volymen på en förstärkare i till exempel ett hemmabiosystem med fjärrkontrollen.

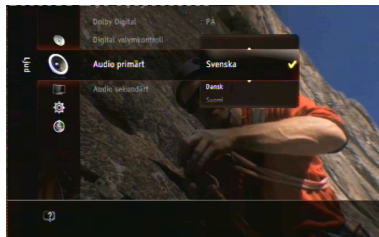
- För vissa kanaler som har Dolby Digital-ljud kan du inte ändra volymen.



Audio primärt

Du kan ändra språk för det primära ljudet.

- Om du vill välja standardspråk för primärt ljud använder du uppåt/nedåt.



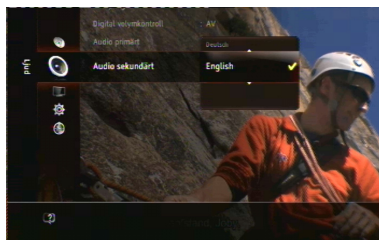
SWE

HUR DU ANVÄNDER PRODUKTEN

Audio Sekundärt

Du kan ändra språk för det sekundära ljudet, som är tillgängligt om programleverantören tillhandahåller en tjänst för sekundärt ljud.

- Om du vill välja standardspråk för sekundärt ljud använder du uppåt/nedåt.



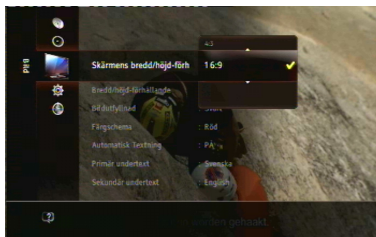
Bild

Skärmens bredd/höjd-förh

Används för att ändra på bildskärmsformatet.

- Du kan välja bildförhållandet 4:3 eller 16:9.
- Vilka bildskärmsformat du kan välja beror på inställningen för bildförhållande.

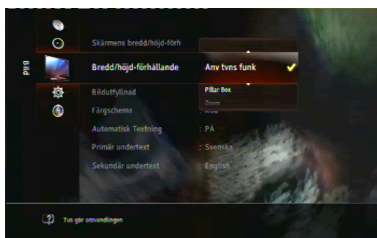
Bildförhållande	Bildskärmsformat
Pillar box	16:9
Zoom	16:9, 4:3
Letter box	4:3



Bredd/höjd-förhållande

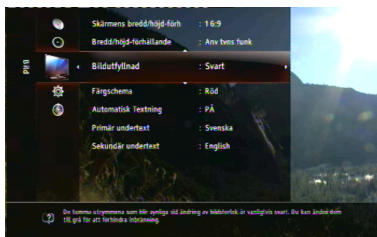
Används för att ändra bildförhållandet.

- Du kan välja alternativet TV's feature (TV:ns mått) Pillar box (Brevlåda) eller Zoom (Zooma) för TV-bildskärmsförhållandet 16:9.
- Du kan välja alternativet TV's feature (TV:ns mått), Letter box (Brevlåda) eller Zoom (Zooma) för TV-bildskärmsförhållandet 4:3.
- Du kan se skillnaden när du har valt ett förhållande som TV-apparaten kan hantera. Annars kan du inte se skillnaden på skärmen.



Bildutfyllnad

Beroende på inställningarna för bildförhållande och bildskärmsformat kan tomma utrymmen visas på skärmen. Du kan ange vilken färg det tomma utrymmet ska ha.



Färgschema

Används för att ändra färgschemat för en meny.



SWE

HUR DU ANVÄNDER PRODUKTEN

Automatisk Textning

Används för att aktivera/avaktivera undertext. Välj PÅ om du vill aktivera den.



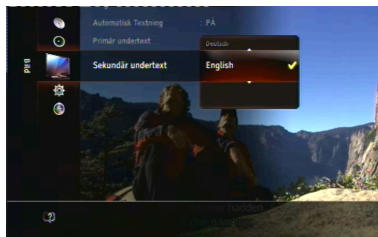
Primär undertext

Används för att ändra primärt språk för undertexten.



Sekundär undertext

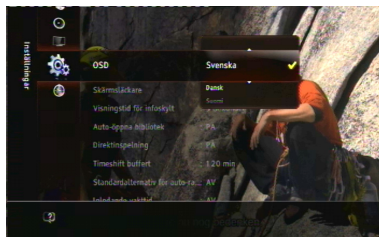
Används för att ändra sekundärt språk för undertexten. Undertexten är tillgänglig om programleverantören tillhandahåller en sekundär språktjänst.



Inställningar

OSD

Du kan använda den här skärmen till att ändra språk för menyer.

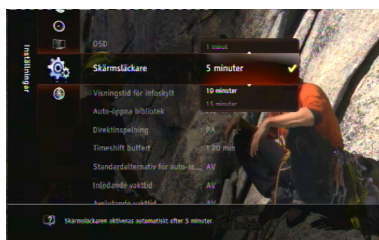


SWE

HUR DU ANVÄNDER PRODUKTEN

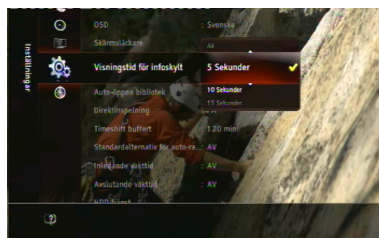
Skärmlåckare

Om fjärrkontrollen inte används under en viss tid försvinner menyfönstret. Här kan du ange hur lång tid det ska gå innan fönstret försvinner.



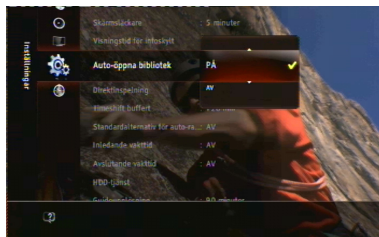
Visningstid för infösnytt

Används till att ändra hur länge information om tjänsten, som visas längst upp på skärmen när du byter kanal eller trycker på **INFO**, ska visas.



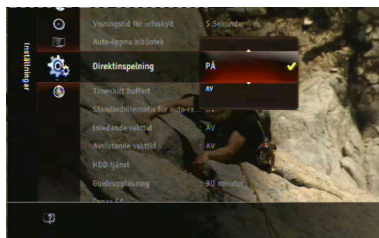
Auto-öppna bibliotek

Du kan använda den här inställningen till att ange att biblioteket ska öppnas automatiskt när du sätter i ett USB-minne.



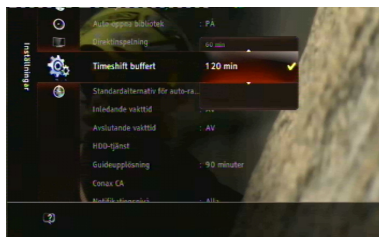
Direktinspelning

Du kan använda den här inställningen till att aktivera/avaktivera snabbinspelning.



Timeshift buffert

Du kan använda den här inställningen till att ange tidsförskjutningsbufferten.



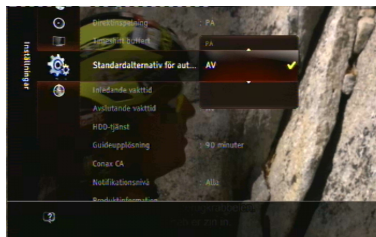
Standardalternativ för automatisk radering

Du kan använda den här inställningen till att radera det äldsta inspelade programmet från biblioteket automatiskt.

20 % av hårddisckapaciteten kommer alltid att vara tillgängligt.

För att det ska gå att radera ett inspelat program automatiskt måste programmet vara olåst och du måste ha tittat på mer än fem minuter eller 50 % av programmet. I annat fall raderas inte det inspelade programmet.

(Om du vill låsa eller låsa upp ett program går du till Library (Bibliotek) och trycker på den röda knappen.)

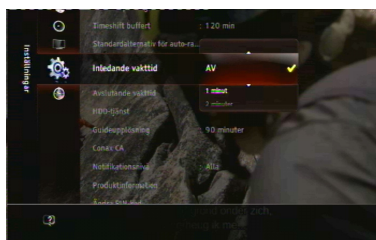


SWE

HUR DU ANVÄNDER PRODUKTEN

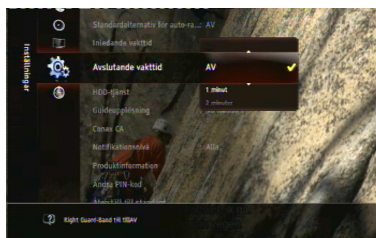
Inledande vaktid

Du kan använda den här inställningen till att ange hur många minuter före den schemalagda inspelningstiden inspelningen ska starta.



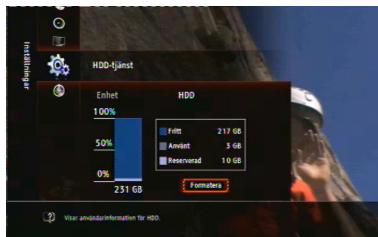
Avslutande vaktid

Du kan använda den här inställningen till att ange hur många minuter efter den schemalagda inspelningstiden inspelningen ska stoppas.



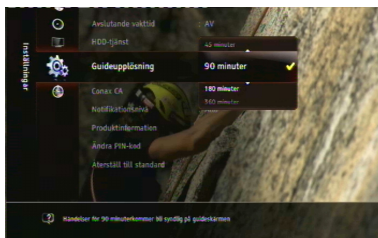
HDD tjänst

Visa hårddiskenvändningsinformation.



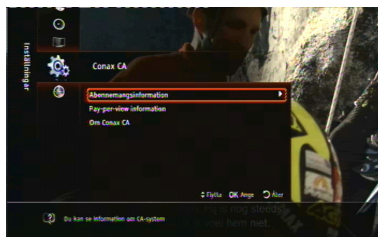
Guideupplösning

På den här menyn anges standardinställningen för programlistans tidsintervall på kanalguideskärmen. Ju längre intervall desto fler program kan du kontrollera på en enda skärm.



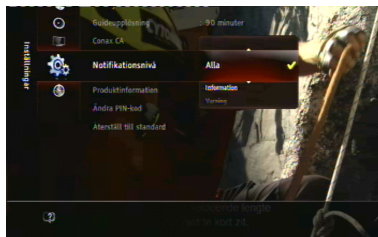
Conax CA

Visa information för CAS-systemet.



Notifikationsnivå

Du kan använda den här inställningen till att ange meddelandenivå. Du kan minska antal meddelande som visas genom att välja en annan meddelandenivå.



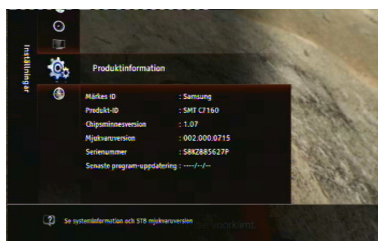
SWE

HUR DU ANVÄNDER PRODUKTEN

Produktinformation

Här visas information om produkten.

- Du kan visa information om varumärkes-ID, produkt-ID, version av fast programvara, programvaruversion och senaste programvaruuppdatering.



Ändra PIN-kod

Används om du vill Ändra PIN-koden.

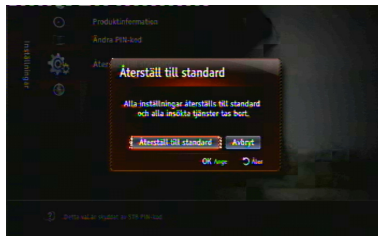
- Ange aktuell PIN-kod och sedan den nya PIN-koden, och tryck sedan på OK-knappen.
- PIN-koden är som standard '0000'.



Återställ till standard

Används för att återställa alla inställningar till standardvärdena.

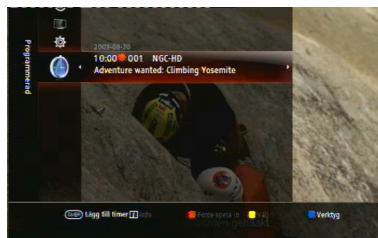
- Om du vill återställa väljer du **[Återställ till standard]** och sedan trycker du på OK.



Programmerad

Visa en lista över schemalagda program.

- Om du vill avbryta en schemaläggning väljer du programmet genom att trycka på den gula knappen, och sedan på den blåa knappen och välja **[Avbryt scheman]**.



FELSÖKNING

I det här avsnittet beskrivs hur du hanterar problem som kan inträffa när du använder digitalboxen.

Om digitalboxen börjar fungera på fel sätt bör du först kontrollera följande:

Kontakta ett lokalt servicecenter om problemet kvarstår.

SWE

FELSÖKNING



Skärmen

Problem	Lösning
Inget visas på TV-skärmen.	<ol style="list-style-type: none">1. Kontrollera att TV:n och digitalboxen är på.2. Kontrollera kabeln mellan TV:n och digitalboxen.3. Kontrollera om TV-inmatningen är inställd på externt inmatningsläge.4. Kontrollera om digitalboxen är i standbyläge genom att trycka på Power.
Ingen menyskärm visas.	<ol style="list-style-type: none">1. Sätt på digitalboxen och tryck sedan på Menu (Meny).2. Kontakta ett lokalt servicecenter om menyskärmen fortfarande inte visas korrekt.



Fjärrkontrollen

Problem	Lösning
Fjärrkontrollen fungerar inte.	<ol style="list-style-type: none">1. Kontrollera att det går att använda fjärrkontrollen för digitalboxen.2. Byt batteri och kontrollera sedan om fjärrkontrollen fungerar normalt.3. Kontrollera om batterierna sitter korrekt.4. Kontrollera om det finns något hinder mellan digitalboxen och fjärrkontrollen.5. Kontrollera om fjärrkontrollen fungerar normalt om du använder den närmare digitalboxen.



Allmänt

Problem	Lösning
Det hörs inget från TV-apparaten eller ljudenheten.	<ol style="list-style-type: none">1. Kontrollera kabeln mellan ljudporten på TV-/ljudsystemet och porten AUDIO OUT på baksidan av digitalboxen.2. Om kabeln har anslutits korrekt kan du kontrollera om funktionen MUTE (stäng av ljudet) har aktiverats. Om du har aktiverat funktionen MUTE avaktiverar du den genom att trycka på MUTE.
Jag har glömt bort lösenordet för digitalboxen.	Standardlösenordet för digitalboxen är '0000'. Kontakta ett lokalt servicecenter om du inte kommer ihåg lösenordet. Du kan ange ett nytt lösenord när digitalboxen har initierats.

TV-apparatens tillverkarnummer

TV-tillverkare och deras nummer som fjärrkontrollen har stöd för anges i tabellen nedan.

Manufacturer	Setting Numbers	Manufacturer	Setting Numbers
SAMSUNG	105 106 108 109 115 116 118 124 129 151 153 158 160 170 177 186 187 196 225 226 237 274 310 312 387 397 400 421 440 441 442	AOC	105 122 129 166
ACCENT	108 186	APOLLO	281
ACCPHASE	108	AR	333
ACEC	451	ARC EN CIEL	354 414 416 419 420 454
ACTION	213 225	ARCAM	122 152 153 400 454
ACURA	124	ARDEN	108 186 287
ADMIRAL	130 144 170 175 209 223 243 264 271 297 310 351 357	ARISTONA	108 186 271 397 408 451
ADYSON	106 153 400	ARTHUR MARTIN	220 264 310
AEA	108 186	ASA	260 261 263 264 270 271 273 278 295 297 298 299 351 367 372 373 378 379 382 384 385
AGASHI	153 170 400	ASBERG	108 186 229 296 376
AGB	284	ASORA	124
AGEF	297 351	ASTRA	108 186
AIKO	108 118 119 124 153 170 186 207 226 236 264 294 400	ASUKA	153 154 170 174 397 400
AIM	108 118 186 231	ATLANTIC	108 117 186 208 397 400 411 453
AIWA	248 249 293 448	ATORI	124
AKAI	105 108 109 118 124 129 134 153 154 170 186 196 198 199 207 209 224 225 226 236 246 264 277 282 284 285 286 287 288 294 310 397 400 416	AUCHAN	220 264 310
AKIBA	108 154 174 186 289	AUDIOSONIC	108 124 153 170 186 189 242 274 276 280 287 288 400 414 416
AKITO	108 186 290	AUDIOTON	153 170 274 276 280 397 400
AKURA	108 124 154 170 174 186 231 300 307 405	AUDIOVOX	119 122 162 182
ALARON	152 161 165 400	AUMARK	116
ALBA	107 108 124 134 154 186 210 223 236 241 246 251 264 274 300 308 310 393 397 400	AUSIND	279 296 376 381
ALBIRAL	452	AUTOVOX	117 153 158 175 207 278 296 297 305 348 351 376 378 379 381 385 393 397 400 404 405 408 411 423
ALCYON	296 376	AWA	108 124 153 170 186 231 242 285 288 321 345 347 400
ALKOS	294	AXXENT	124
ALLORGAN	117 153 211 397 400 411	AXXON	287
ALLSTAR	108 186	AYOMI	401
AMBASSADOR	141	BAIRD	118 153 196 198 226 353 400 414 416 417
AMPLIVISION	153 220 274 400 453	BANG & OLUFSEN	297 314 351
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ANAM	108 123 124 162 186	BASIC LINE	108 124 153 154 174 186 242 264 289 300 310 321
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ANGLO	124 170	BAUR	108 185 186 187 192 198 207 209 264 305 365 366 369 386 405
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GRUNDIG	108 124 133 150 158 169 186 237 251 270 274 295 296 302 365 366 369 376 379 381
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HALIFAX	153 170 400
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ITT	144 161 191 196 198 207 209 210 242 263 264 273 281 282 304 305 310 373 381 405 406 424
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KB ARISTOCRAT	264 310
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SAVE	108 186	SONNECLAIR	108 186
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SCHAUB LORENZ	191 207 209 242 264 276 285 287 288 305 381 405	SONOLOR	144 174 185 196 198 207 220 264 310
SCHNEIDER	108 124 153 154 170 186 207 236 246 253 257 262 264 271 287 300 305 308 310 361 364 375 386 393 397 400 404 405 408 416 423 430 438 451	SONTEC	108 124 186 211 274
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SYTONG	400
TACTUS	290
TADNDY	225
TANDBERG	207 212 264 271 308 310 368 378 385 414 416
TANDY	118 130 144 153 154 226 264 310 393 397 400
TASHIKO	107 148 213 264 307 310 397 400 405
TASHKO	107 153
TATUNG	108 114 118 122 153 186 225 226 284 290 345 397 398 400
TCM	287 374 413 429 450
TEAC	108 124 129 153 170 174 186 187 207 223 231 246 262 289 300 301 302 303 305 405
TEC	108 124 153 186 192 207 233 308 310 328 361 364 393 397 400 417
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TELECO	235
TELECOR	108 153 154 186 264 310 400
TELEFUNKEN	108 115 186 276 328 354 356 359 414 416 417 418 419 420 431 435 437 454
TELEFUSION	108 186
TELEGAZI	108 154 170 186 264 310
TELEMEISTER	108 186 208 403 453
TELESONIC	108 186
TELESTAR	108 186 231
TELETECH	108 124 186 300 393
TELETON	107 117 153 167 209 264 305 310 400 405 411
TELEVIDEON	208 264 310 397 400 453
TELEVIEW	108 186
TELEVISIO	220
TELEXA	229

Manufacturer	Setting Numbers
TEMCO	211
TEMPEST	108 124 186
TENNESSEE	108 186
TENSAI	108 124 153 154 186 203 208 211 224 236 242 288 298 299 310 321 372 393 397 400 403 453 124
TENSON	235
TESLA	395
TETUNG	108 124 186 300
TEVION	124 152 153 154 242 321 397 400
TEXET	213 225
THOMAS	108 158 186 210 245 305 328 354 359 405 414 416 417 419 420 430 432 454
THOMSON	108 118 142 185 186 187 197 198 207 213 215 226 227 242 290 294 298 307 321 353 367 369 401 405 417 435 437
THORN	170 185 207 227 294 298 373 379 414 417 431
THORN- FERGUSON	115 129 141 160
TMK	108 124 153 186 225 226 242 264 300 310 321 400
TOKAI	294 400
TOKYO	154 174
TOMASHI	107 116 139 142 151 153 159 175 196 198 229 243 270 294 295 400 444
TOSHIBA	166
TOSONIC	109
TOTEVISION	153 192 209 229 305 400 405
TOWADA	124
TOYODA	170
TRAKTON	108 153 186 264 300 395 400
TRANS CONTINENS	108 170 186 187 289 301 303
TRANSONIC	400
TRANSTEC	108 186
TRIAD	153 284 400
TRIDENT	154 170
TRISTAR	108 141 159 186 263 273 284 373 395 444
TRIUMPH	174
TSOSCHI	187
TV TEXT	108
TV TEXT 95	108 117 186 208 223 229 242 264 274 276 296 321 375 376 379 381 386 403 411 453 189 225 353
UHER	108 186 229 242 262 264 271 297 310 321 351 393 397 400
ULTRA	108 186 281 289 305
ULTRAVOX	108 186 287 288
UNIC LINE	101 103
UNITED	107 108 124 141 153 170 185 186 187 192 207 211 212 223 263 264 273 274 281 282 283 286 295 296 298 299 300 305 308 310 312 345 347 360 365 367 369 372 373 376 393 400 405 414 434 437
UNIVERSAL	108 186 264 297 310 351 401
UNIVERSUM	310 397
UNIVOX	105
UTAX	223
VECTOR RESEARCH VEGAVOX	108 153 186 246 264 300 310 400 410
VESTEL	108 124 186
VEXA	112
VICTOR	

Manufacturer	Setting Numbers	Manufacturer	Setting Numbers
VICTORY	336	WEGAVOX	108 124 186
VIDEO SYSTEM	108 186	WELTBlick	108 153 186 453
VIDEOLOGIQUE	153 154 400	WESTINGHOUSE	211
VIDEOSAT	393 394	WESTON	108 186 308
VIDEOTECHNIC	153 242 321 400 453	WHARFEDALE	108 186
VIDEOTON	192 204 264 306 310	WHITE	229
VIDIKRON	113 229	WHITE WESTINGHOUSE	108 152 186 196 208 397 400 403 453
VIDTECH	107 129 160	WINDSOR	300
VISA	107 108 124 125 144 158	WINDSTAR	174
VISIOLA	400	WINDY SAM	108
VISION	108 153 186 208 403 453	WINTEL	287
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VISTAR	117 207 264 411	XRYPTON	108 186
VOLTEC	414	YAMAHA	105 129
VORTEC	108 186	YAMISHI	108 153 154 174 186 289 400
VOXSON	108 144 186 209 223 264 271 296 297 310 351 376 381	YOKAN	108 186
VTQ	228	YOKO	108 124 153 154 170 186 233 274 304 309 393 397 400 198 154
WALTHAM	108 153 186 192 204 209 223 264 300 306 400 416	YORK	
WARDS	100 101 103 104 105 113 115 126 129 135 142 145 160 161 168	ZANUSSI	117 153 175 209 264 361 400 408 411
WATSON	108 124 154 186 208 246 264 300 310 365 403 453	ZENITH	119 126 127
WATT RADIO	192 207 229 262 264 305 310 397 400 405	ZENOR	304
WEGA	107 108 186 264 297 351	ZONDA	122
WEGA COLOR	271 349	ZOPPAS	264 361 408

Produktspecifikationer

Faktor	Beskrivning
Modell	SMT-C7160
Mottagare	DVB-C
Ingångsanslutning	IEC-hona i enlighet med IEC 60169-2
Ingångsimpedans	75 Ω
Sändningsfrekvens (mottagning)	47-870 Mhz
Sändningsnivå (mottagning)	-15-+15 dBm (medelvärde)
Moduleringstyp för sändning	Kvadratisk amplitudmodulering
Kanalbandbredd	7 och 8 Mhz
Utgång	IEC hane i enlighet med IEC 60169-2
Ljudutgångsport	Stereo (vänster/höger): 1 port
	Digitalt ljud (SPDIF): 1 port
Gemensam video-/ljudutgång	HDMI-utgång: 1 port
	SCART: 2 portar (TV/videobandspelare)
USB	2 USB 2.0-portar (fram/bak, endast FAT-filsystem)
HDD	250 GB
Märkspänning, märkfrekvens	230 V växelström $\pm 15\%$, 50 Hz
Märkeffekt	Max. 30 W
Driftstemperatur	0-40°C
Luftfuktighet vid drift	20-80 % (40°C)
Mått (mm)	350 (l) x 260 (b) x 35 (h)
Vikt	2,495 g

SWE

BILAGA

Godkännande av användning av Dolby-logotypen

Tillverkad under licens från Dolby Laboratories.

Dolby och den dubbla D-symbolen är varumärken som tillhör Dolby Laboratories.

Produktmeddelande från Rovi

Den här produkten innehåller teknik för kopieringsskydd som är skyddad av amerikanska patent och andra upphovsrättigheter som tillhör Rovi Corporation. Bakåtkompilering och isärtagning är förbjudet.

Produktmeddelande från HDMI



HDMI, HDMI-logotypen och High-Definition Multimedia Interface är varumärken eller registrerade varumärken som tillhör HDMI Licensing LLC i USA och i andra länder.

WEEE SYMBOL INFORMATION



Korrekt avfallshantering av produkten (elektriska och elektroniska produkter)

Denna markering på produkten och i manualen anger att den inte bör sorteras tillsammans med annat hushållsavfall när dess livstid är över. Till förebyggande av skada på miljö och hälsa bör produkten hanteras separat för ändamålsenlig återvinning av dess beståndsdelar.

Hushållsanvändare bör kontakta den återförsäljare som sålt produkten eller sin kommun för vidare information om var och hur produkten kan återvinnas på ett miljösäkert sätt.

Företagsanvändare bör kontakta leverantören samt verifiera angivna villkor i köpekontraktet. Produkten bör inte hanteras tillsammans med annat kommersiellt avfall.

BATTERY SYMBOL INFORMATION



Korrekt avfallshantering av batterierna i denna produkt

(Gäller EU och andra europeiska länder med särskild batteriåtervinning.)

Denna markering på batteriet, i manualen eller på förpackningen anger att batterierna i denna produkt inte bör slängas tillsammans med annat hushållsavfall. De kemiska symbolerna Hg, Cd eller Pb visar i förekommande fall att batterierna innehåller kvicksilver, kadmium eller bly i mängder överstigande de gränsvärden som anges i EU-direktivet 2006/66. Om batterierna inte slängs på ett ansvarsfullt sätt kan dessa substanser utgöra en fara för hälsa eller miljö.

Hjälp till att skydda naturresurser och bidra till materialåtervinning genom att sortera batterierna separat från annat avfall och lämna in dem på en återvinningsstation.

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SAMSUNG

ELECTRONICS



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Samsung Electronics Nordic AB

Box 713,

S-194 27 Upplands Vasby,

Sweden

Tel: 08-585 36787

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 - c) Felaktig användning, inklusive användning av produkten för andra ändamål än de avsedda, och oriktig installation.
 - d) Skada som orsakas av blixtnedslag, vatten, eld, , krig, allmänna oroligheter, oriktig nätspänning, otillbörlig ventilation eller av annan orsak bortom Samsungs kontroll.
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SAMSUNG ELECTRONICS SVENSKA AB

SAMSUNG

ELECTRONICS

WARRANTY CARD

GUARANTEE

GARANZIA

GARANTI

GARANȚIA

GARANTIE

GARANTIA

ГЪРЪНТИ

GWARANCJA

MODEL NAME

Modelnavn, Nombre de modelo, Nombre del modelo, Nome de modelo, Modellbezeichnung, Modelnaam, Nom du modèle, Il nome di modello, Моделно наименование, NAZWA MODELU

SERIAL NO.

Serienummer, No. de serie, Numero serial, Seriennummer, Serie nummer, Número de série, Il numero di matricola, Αριθμός κατασκευής, NR SERIJSKI

DATE OF PURCHASE

Köbetid, Kopsadato, Fecha de compra, Kaufdatum, Datum van aankoop, Date d'achat, La data d'acquisto, Ημερομηνία αγοράς, DATUM ZAKUPU

CUSTOMER'S NAME

Kunden navn, Kunden navn, Nombre de cliente, Nombre del cliente, Nome de cliente, Name des Kunden, Naam van klant, Nom du client, Il nome del cliente, Ονομαστικό του αγοραστή, NAZWIŠKO KLIENŦA

CUSTOMER'S TEL. NO.

Kundesadress, Kundetelefonnummer, No. de Tel. de client, No. de Tel del cliente, Número de teléfono de cliente, telefonnummer des Kunden, telefon nummer van klant, Número de teléfono del client, Il numero de telefono del client, Αριθμός τηλεφώνου του αγοραστή, NR TEL. KLIENŦA

CUSTOMER'S ADDRESS

Kundesadress, Kundesadresse, Dirección de client, Dirección del cliente, Endereco de cliente, Adresse des Kunden, Adres van klant, adresse du client, Indirizzo del cliente, Διεύθυνση του αγοραστή, ADRES KLIENŦA

DEALER'S NAME

Handelsnavn, Forhandler, Nombre de negociante, Nombre del vendedor, Nome de vendedor, Name des Händlers, Naam van handelaar, Nom du marchand, Il nome del commerciante, Ονομα του καταστήματος, NAZWA SKLEPU

DEALER'S TEL. NO.

Handelstelefonnummer, Forhandlerstelefonnummer, No. de Tel. de negociante, No. de Tel. del vendedor, Número de teléfono de vendedor, telefonnummer des Händlers, telefon nummer van handelaar, Número tel phone du marchand, Il numero di telefono del commerciante, Αριθμός τηλεφώνου του καταστήματος, NR TEL. SKLEPU

DEALER'S ADDRESS

Handelsadress, Forhandleradresse, Dirección de negociante, Dirección del vendedor, Endereco de vendedor, Adresse des Händlers, Adres van handelaar, Adresse du marchand, Διεύθυνση του καταστήματος, ADRES SKLEPU

DEALER'S STAMP & SIGNATURE

CUSTOMER'S SIGNATURE

CAUTION

Please ensure the form above is completed at the time of purchase and present it to the dealer to qualify for guarantee service, otherwise your guarantee may be affected.

SAMSUNG EUROPEAN BLOC WARRANTY

SMT-C7160

User Guide

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SAFETY CONCERNS

The purpose of the Safety Concerns section is to ensure the safety of users and prevent property damage. Please read this document carefully for proper use.

Conventions



Warning

Provides information or instructions that you should follow in order to avoid personal injury or fatality.



Caution

Provides information or instructions that you should follow in order to avoid a service failure or damage to your STB.



Note

Indicates additional information for reference.



Checks

Provides the operator with checkpoints for stable system operation.

Symbols



Caution

Indication of a general caution



Restriction

Indication for prohibiting an action for a product



Instruction

Indication for commanding a specifically required action



WARNING

Power



Insert the power plug firmly.



Do not touch the main body, power cable, or power plug with wet hands.



Do not connect multiple devices to a single outlet simultaneously.



If video/sound cable generates heat after connection, pull out the power plug and contact customer service center immediately.

Installation/Maintenance



Install the product in an area with good ventilation.



Do not install in humid or dusty areas, and avoid installing near heating devices.



Keep flammable substances or sprays away from the set-top box.



Do not place heavy objects on this product.



Do not cover the top.



Pull out the power plug during thunderstorms or when not used for a prolonged period of time.



Pull out the power plug at once and contact customer service if unusual noise, smell, or smoke comes out.



Do not put anything heavy on top of the since it can affect the front panel functionality.

General



Check if the coaxial cable is correctly grounded before connecting to the set-top box.



Class 1 LED Product.



Ask the installation engineer to check if the set-top box to be connected is correctly grounded.



This product complies with 21 CFR Chapter 1, subchapter J.



CAUTION

Power



Connect your TV after powering off the TV and the set-top box by pulling out the power plugs.



Do not insert the power plug before connecting the power cable to the product.



The socket-outlet shall be installed near the equipment and shall be easily accessible.



Before connecting the power source, permanent protective earth connection to the cable distribution should be made.

Installation/Maintenance



Install the product correctly complying with the instructions in the user guide.



Do not spray water directly on the unit and do not use chemical solvents such as wax, mosquito spray, alcohol or detergent.



Do not place the product on unstable support.



Do not disassemble, repair, or remodel.



No connection to antenna.



Do not remove the CableCARD™ from the set-top box.



Do not place any metal items such as pins, paper clips or coins on the top of the product.



Risk of electric shock, Do NOT OPEN.



Wipe the product with a soft and dry cloth when cleaning.

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BEFORE USE

HD PVR Cable STB

SMT-C7160 is HD PVR (Personal Video Recorder) Cable STB (Set-top box).

Key Functions of SMT-C7160

Video Display of HD (High Definition)

Supports high-resolution video output of up to 1080p, enabling you to enjoy clear and sharp video.

Dolby Digital Sound

Produces realistic digital sound by connecting the product to a receiver amplifier through the SPDIF output port, which supports Dolby Digital.

EPG Support

Using the EPG Channel Guide, you can check the program information and broadcasting schedule of a desired channel, and schedule the programs to watch.



PVR Features

One of following operation is possible.

- You can record maximum two programs.
When you are two recordings simultaneously, then you can watch only one of current recordings.
- You can watch the LIVETV while recording. It is possible to pause, play, rewind and forward.

[Timeshifting]

Timeshifting functionality is to record live program, and allow easy navigation on the program. Since the channel you are watching live is recorded, you can watch missed portion of the live programs.

Timeshifting can be started when you press the **Pause** button () and stopped when you press **Stop** button ().


Timeshifting functionality uses timeshift buffer on hard disk for the recording.

[Instant recording]

Automatic possibility of recording currently live program. A particular temporary recording starts when you change the watched channel from current one to another one and stops when change the watched channel to different one.

Note that when one temporary recording stops, another one starts at the same time.

[Recording]

You can record TV or radio programs only on internal storage by pressing **REC** button () on RCU or front panel.



During recording, Please do not turn off by using the power switch or by pulling out the power cable, or the short recorded contents under 9minutes might be deleted and the last 5minutes length might be not recorded. (Don't mind the standby transition by pressing POWER button.)

[Active Standby Mode/Standby Mode]

When you press **POWER** button () while STB is in service (in Active Mode),

STB shall switch from Active Mode to Active Standby Mode.

After 5 minutes, STB will switch automatically to Standby Mode.

In Standby Mode, STB stops running, this means that all the services are suspended. (No Front Display, No TV Service, No Cooling FAN, Only Red LED in the front side is turned ON.)

Except POWER button recognition for switching to Active Mode, there is nothing to be able to do.

In Standby mode, if you want to turn on the power, just press the POWER button. Then the box automatically goes to Active standby mode.

Switching to Active Mode requires boot up process, so it is much slower than switching to Active Mode from Active Standby Mode.

At 4 AM, STB shall switch from Standby Mode to Upgrade Mode for a moment. In this Upgrade Mode, STB shall receive some service information. Don't mind some action from STB at this period



If the STB is in the Standby mode and turned off by using the power switch or by pulling out the power code, make sure the front LED is completely turned off before turning it on back again.

Package Contents

Please make sure the following items are contained in your product package box.



SMT-C7160



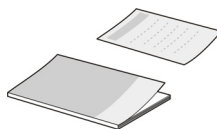
RF Cable or GIS cable



Standard HDMI® Cable



Remote Control
(with AAA Battery)



User Guide/
Network ID leaflet/Quick Guide

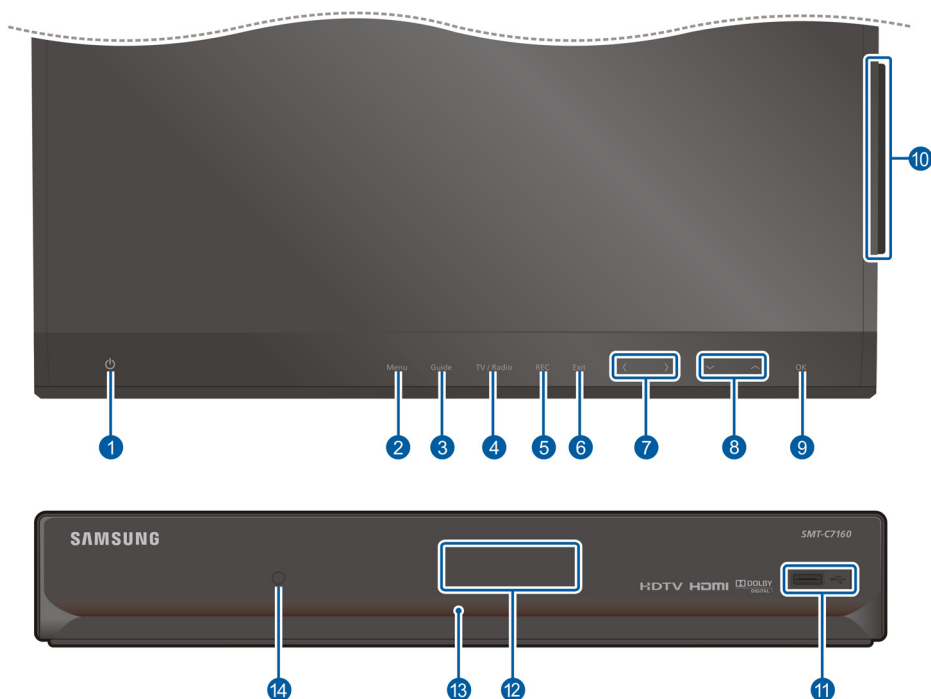
* For Comhem subscribers, GIS cables will be provided instead of RF cables, and an additional printout will be also provided along with the User Guide.

Names and Functions

This section describes the name and function of the parts.

Touch Pad and Front Panel

This section describes the touch pad and front panel.



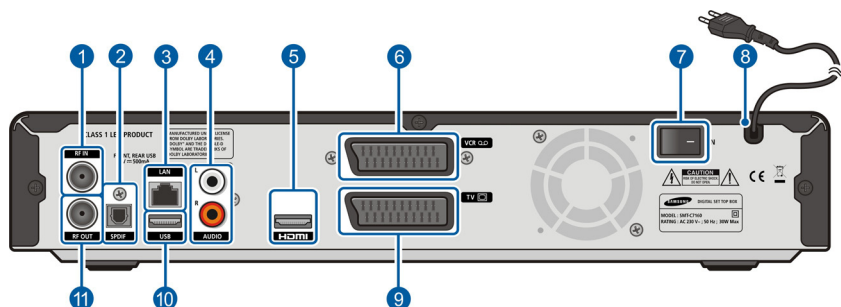
EN

BEFORE USE

Name	Description
① Power	Change the state of a STB to a standby or active mode.
② Menu	Display the main menu.
③ Guide	Display the channel guide.
④ TV/Radio	Switch between TV and Radio services.
⑤ REC	Record the program on hard disk.
⑥ Exit	Exit the menu and channel guide.
⑦ < / >	Enter to timeshift mode and move the menu in horizontal direction.
⑧ ∨ / ∧	Change the channel and move the menu in vertical direction.
⑨ OK	Select the menu and function.
⑩ Smart Card Slot	Insert smart card
⑪ USB	Connect to an USB memory. (FAT file system only)
⑫ Display screen	Display the program information, etc.
⑬ Red LED Light	A red LED light is present/active when the STB is in the active mode and in the beginning of the boot up process.
⑭ IR receiver	Receive signals from the remote control.

Rear Panel

This section describes the names and functions of the ports on the rear panel.



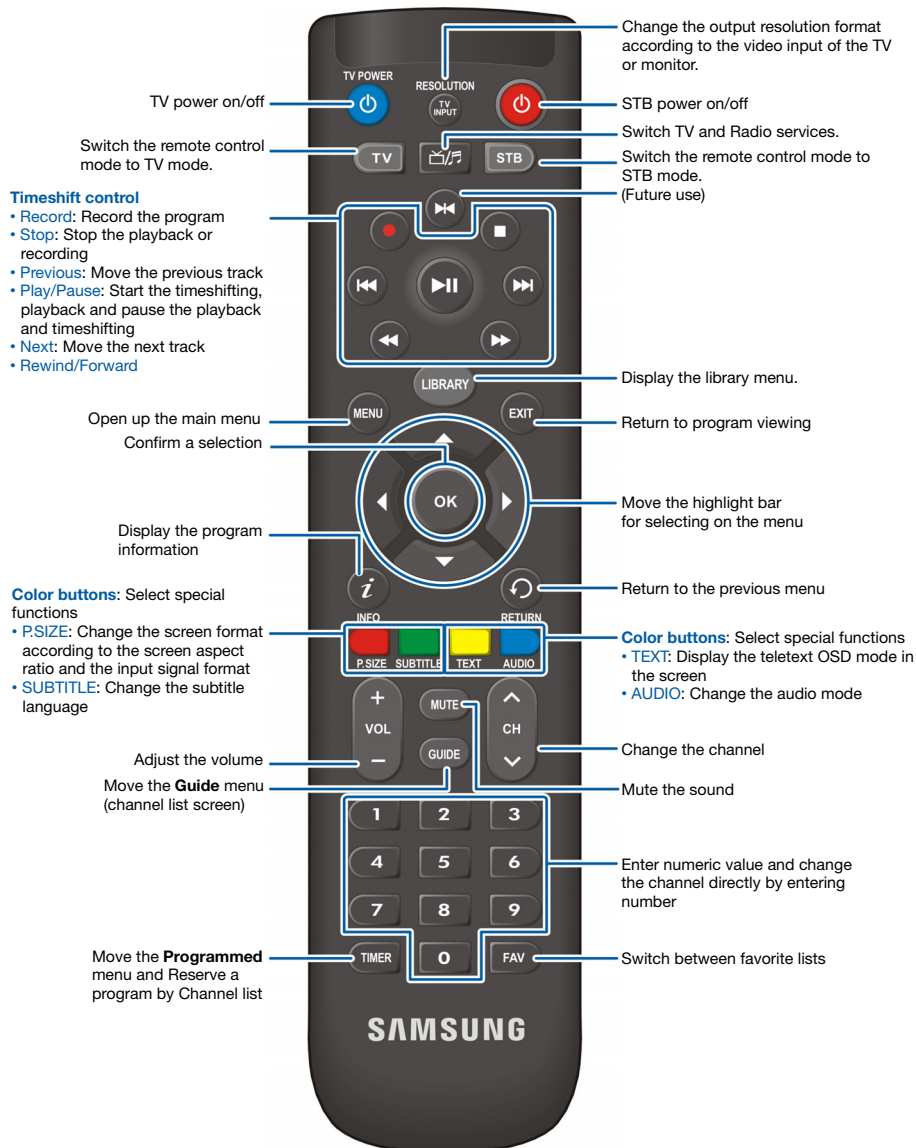
EN

BEFORE USE

Name	Description
① RF IN	A port which connects a RF antenna to a STB with a coaxial cable.
② SPDIF	A digital audio output port, which is connected to an audio system with an SPDIF port with an optical cable.
③ LAN	A LAN port which connect a LAN cable. (Future use)
④ AUDIO OUT (L, R)	An Audio output port which is connected to a general analog TV, VCR, Radio, etc. with an audio cable (L/R).
⑤ HDMI OUT	An HDMI output port which is connected to a TV with a Standard HDMI® cable.
⑥ VCR SCART	A VCR SCART output port which is connected to a VCR with a SCART cable.
⑦ Power on/off switch	A switch to turn the STB power on/off.
⑧ Power cable	A power connection cable.
⑨ TV SCART	A TV SCART output port which is connected to a TV with a SCART cable.
⑩ USB	A port which is connected to an USB memory.
⑪ RF OUT	An RF port which is connected to an analog TV with an RF cable, allowing you to watch analog TV.

Remote Control

This section describes the function of each button on a remote control.



TV Operation Setting with a Remote Control

You can operate a TV with a remote control. There are two ways to program the remote control.

Using Automatic Code Search


1

Turn on the TV.


2

Press and hold the **TV** button () until the LED on the remote control turns on.

3

Press and release the **Up direction** button () button until the TV turns off.

4


If the TV turns off; press and release **OK** button (), then the LED blinks three times.

- If you get no response, repeat these steps.

EN

BEFORE USE

Entering TV Manufacturer Number

- 1** Check the 'TV manufacturer number' in the 'Annex' to see the relevant 3-digit TV manufacturer number, and turn on the TV.
- 2** Press and hold the **TV** button () until the LED on the remote control turns on.
- 3** Enter 3-digit code, then the LED blinks three times.
- If you get no response, repeat these steps using the other code listed for your TV.



- TV models of other manufacturer that can be controlled with the remote control are limited, and some functions may not work.
- If you replace the remote control batteries or enter a new manufacturer number, the previously configured TV manufacturer number is deleted.
- When a connected device is an integrated TV model (VCR, DVDP), take care when using the remote control because it may operate both of them simultaneously.
- If the configuration number does not work, try another number.

Setting the Video Resolution

You can change the settings of a STB to match them to the resolution of the TV or monitor connected to a STB. And you can also simply change the setting of display format.

Setting the Resolution

SMT-C7160 supports the output of HDMI and SCART.

It supports 4 resolution types-576p/720p/1080i/1080p50fps for HDMI output.

For the SCART output, 576i are supported.

You can make the setting as follows:

Press the **RESOLUTION** button () on remote control.

By pressing the button, it changes the resolution, which is displayed on the top right of the screen.

To apply the changed resolution, confirmation messages are displayed:


- Selecting the **[Yes]** will apply the setting.
- Selecting the **[No]** or waiting about 10 seconds without selecting any button will revert to the existing resolution setting.

Display Format

SMT-C7160 supports 3 types for screen type.

- 16:9 TV screen ratio: TV's feature, Pillar box, and Zoom
- 4:3 TV screen ratio: TV's feature, Letter box, and Zoom

You can make the setting as follows:

Press the **P.SIZE** button () on remote control. By pressing the button, it changes the video display format, which is displayed on the top right of the screen.

INSTALLATION

This section describes how to install the STB (SMT-C7160).

Installation Environment

The table below shows the installation environment for the STB.

Item	Description
Operating Temperature	0-40°C
Operating Humidity	20-80% (40°C)
Rated Voltage, Frequency	AC 230 V +/-15%, 50 Hz
Rated Power Consumption	Max. 30 W
Broadcasting Rx Frequency	47-870 MHz



When Using and Installing the Product:

The product must be used under the specified environment. Otherwise, it may damage or shorten the life of the product.

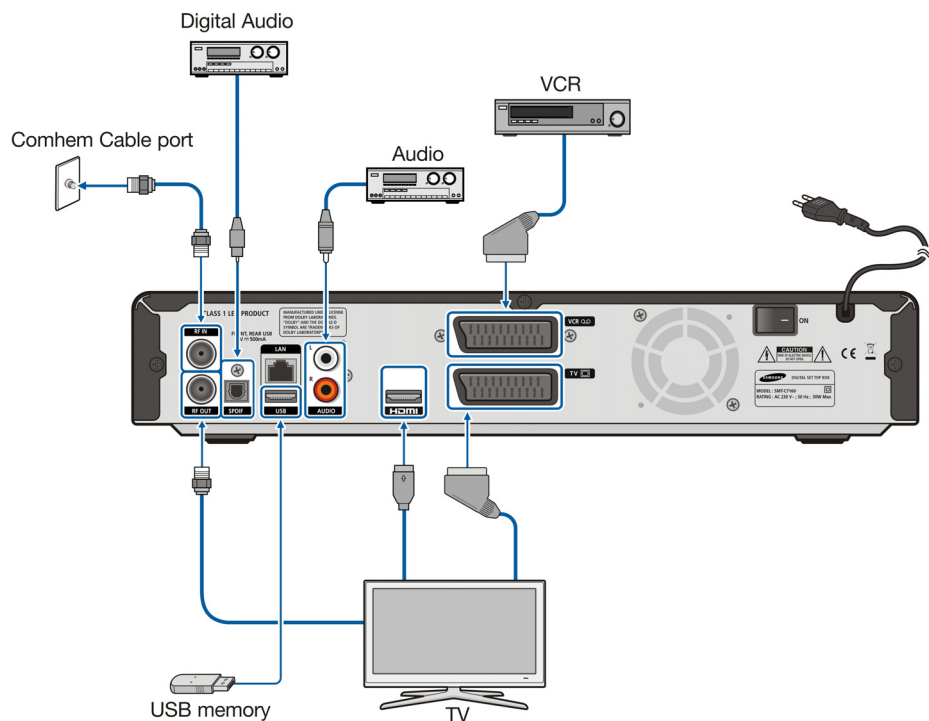


When Connecting a STB to Peripherals

- Ask the service technician to check if the TV or VCR power supply where a STB will be connected is properly grounded. If not, there is a risk of it causing a fire.
- If excessive heat is produced from cables after connecting the video/audio cables, contact your service center. Such a situation may cause fire.

Peripheral Device Connection

This section describes how to connect the cable and each peripheral device to the STB.



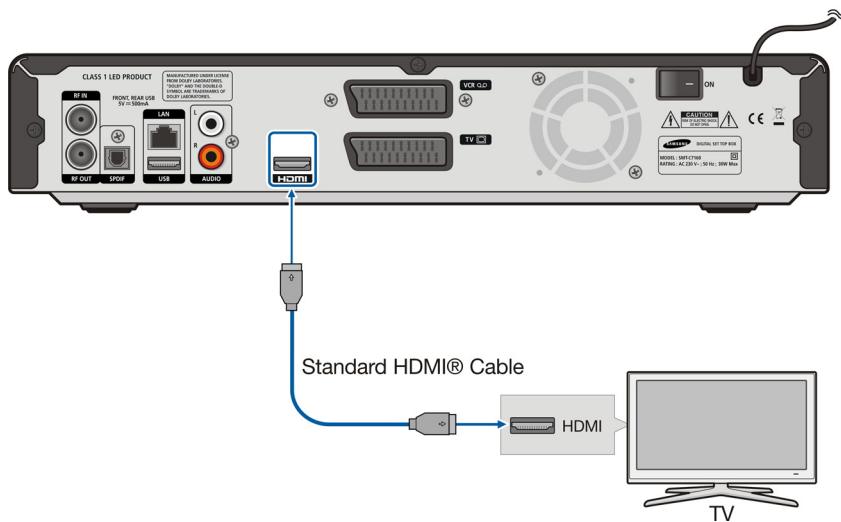
(The product image may differ from the actual product.)

EN

INSTALLATION

Connection to a TV with an HDMI® Port

This section describes how to connect the STB to a TV with an HDMI port.



Connect the **HDMI** port on the rear of the STB to the **HDMI** port of the TV by using a standard HDMI® cable.



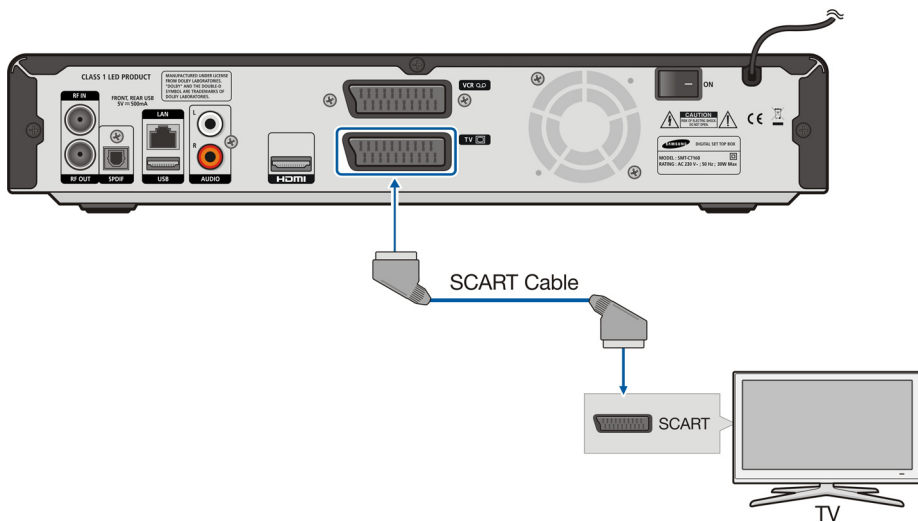
High Definition Multimedia Interface (HDMI®)

SMT-C7160 incorporates HDMI® technology.

The HDMI port is a video-audio integrated port to provide high-definition images by connecting a STB to an HD TV. Connect it to the HDMI port on an HD TV.

Connection to a TV with a SCART Port

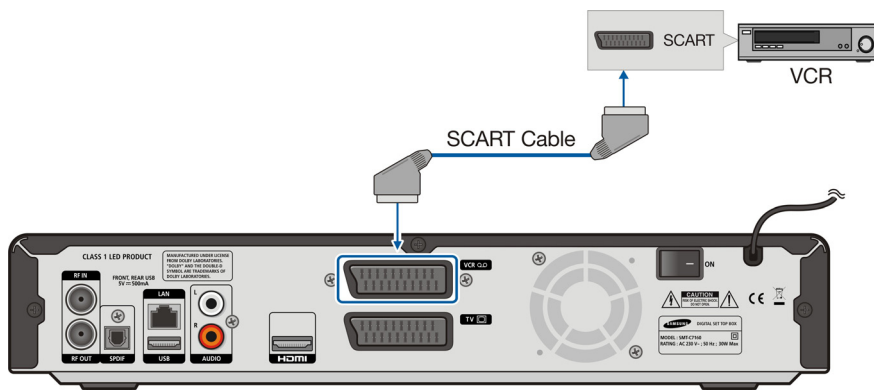
This section describes how to connect the STB to a TV with a SCART port.



Connect the **TV SCART** port on the rear of the STB to the **SCART** port of the TV by using a SCART cable.

Connection to a VCR with a SCART Port

This section describes how to connect VCR to a STB with a SCART cable.



Connect the **VCR SCART** port of the STB to the **SCART** port of the VCR by using a SCART cable.



When Connecting to VCR:

Upon connecting to a VCR, power off both VCR and STB, and pull out their power plugs, and then connect. You can easily connect it by referring to the 'VCR User Manual'.

- VCR may not record programs including anti-record signals properly.

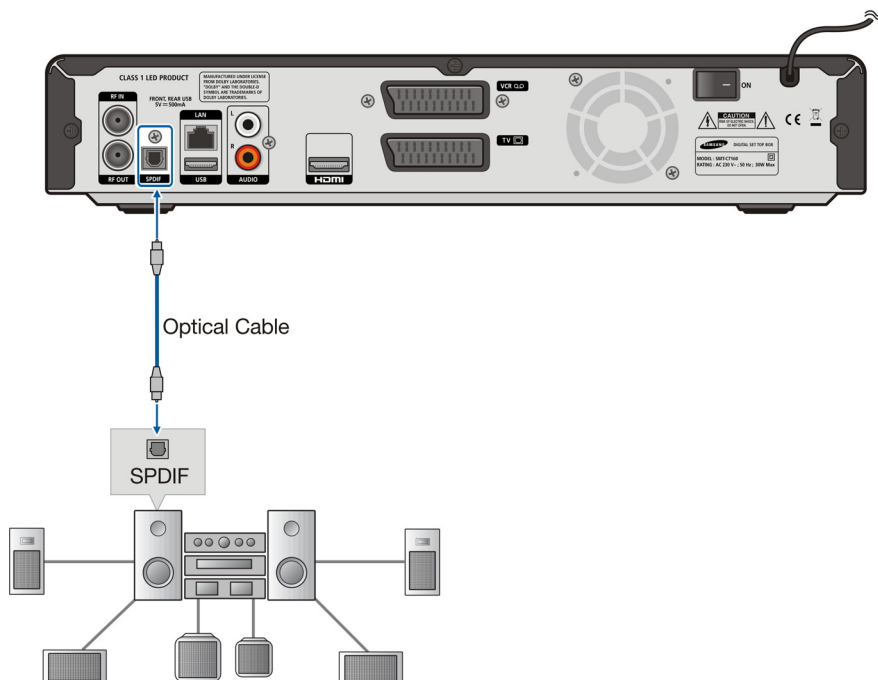


Rovi Recommended Installation Notice

Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

Connection to a Digital Audio

This section describes how to connect a digital audio (an amplifier or home theater that has a Dolby Digital decoding function).



Using the optical cable for digital audio, connect the **DIGITAL AUDIO OUT** port at the rear of the body to the **Digital audio in (SPDIF)** port of a Dolby Digital audio.

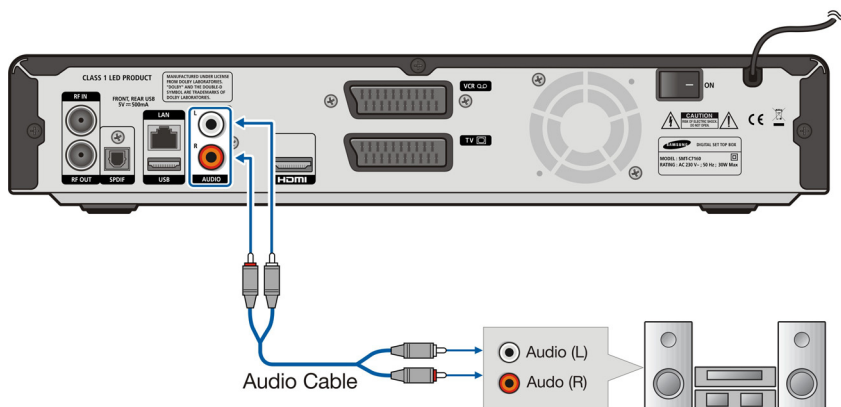


When Connecting to Dolby Digital Audio

- Even when the Dolby Digital amplifier is connected to a digital voice output port, connect the voice output port to the voice input port of a TV in preparation for the case when a TV speaker is used.
- When a digital voice output is used, adjust the volume of a digital amplifier, not of a receiver.

Connection to an Audio

This section describes how to connect an audio.

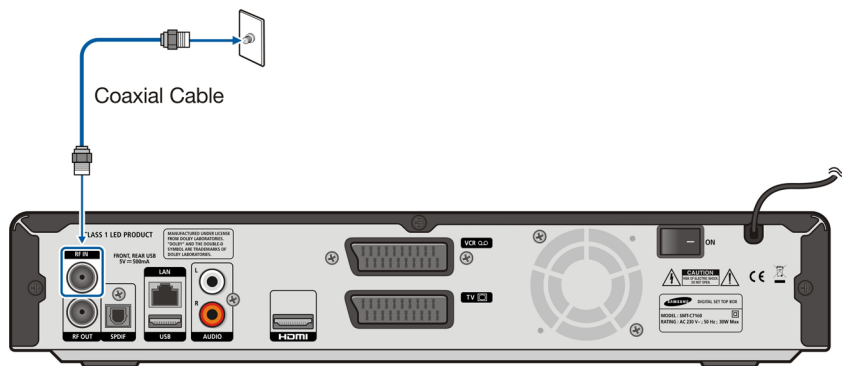


Using the audio cable, connect the **AUDIO** port at the rear of the STB to the **Audio** port of an audio.

Connection to Comhem Cable Port

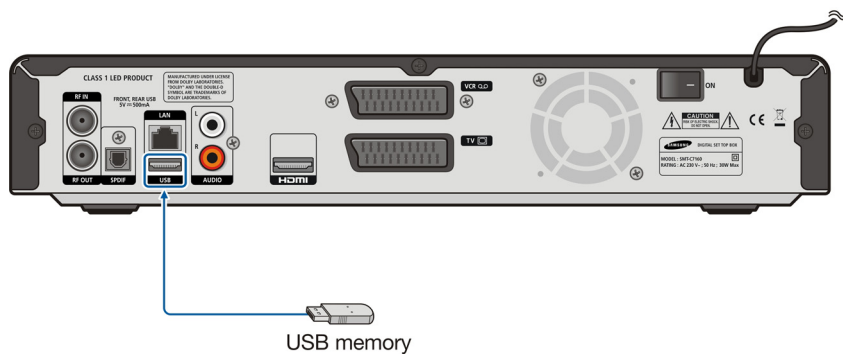
This section describes how to connect to a Comhem cable port.

Connect the coaxial cable connected to a Comhem cable port to the RF IN port.



USB Connection

This section describes how to connect an USB memory.



HOW TO USE THE PRODUCT

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HOW TO USE THE PRODUCT

Installation Wizard

Before you can view the television program, you must perform the installation wizard that is run when the STB is first powered up.

Preparation-Insert the Smart card

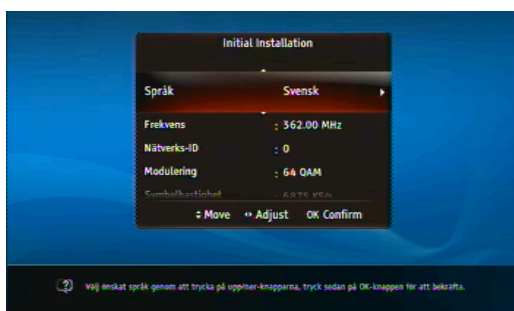
You have to insert the Smart card into the smart card slot on the side of the STB. (Please insert the Smart card in the direction that the chipset is at the bottom-side.)



Step 1- Language Selection / Network Settings

In this step, you select the language to use on the EPG and Menu.

- Press the **Navigation (Left/Right)** buttons to choose the language options (Svensk/Dansk/Suomi/Norsk/English).
- Set the appropriate settings for each of the items (Frequency/Network ID/Modulation/Symbol rate). You can get the settings from the service provider.
- Press **OK** button to proceed the next step.



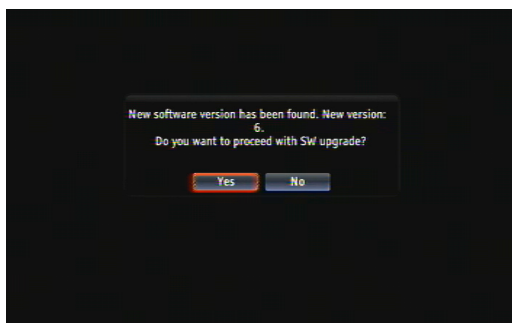
Step 2-New Software Search

In this step, the STB shall check for a software update.

- If a software update is detected, select **Yes** and press **OK** button to proceed the SW upgrade.

When the SW upgrade is finished, the STB shall reboot to apply the new SW.

- Press **OK** button to proceed the next step from Initial Installation screen.
- If the software update is not detected, the Installation Wizard goes to next step.




Step 3-Channel Scan

The STB shall carry out a channel scan in order to populate its channel database.

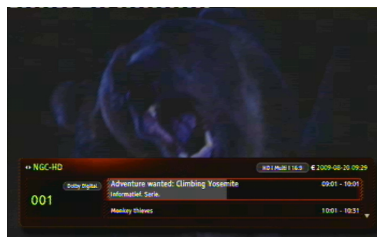
- After successfully scanning, the results screen shall be shown indicating the numbers of TV and radio channels found.
- Press the **OK** button to confirm and the Installation Wizard shall complete.

Using the Basic Functions



Service Information

Changing to another screen or pressing the **INFO** button () displays a channel information on the screen.

- You can see the details of a program, time etc.




Changing the Channels

You can move among channels by using the **CH**  button ().

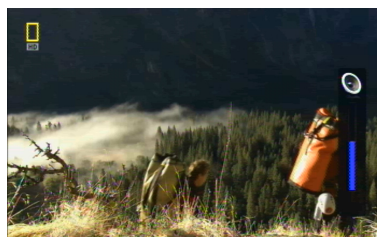
Volume Control/Mute

You can adjust the volume by using the

VOL+/- button ().

To turn off the sound, press the **MUTE** button ().

When pressing it again, sound is turned on.



Channel List/Favorite Channel

Pressing the **OK** button on the remote controller displays the channel list on the screen.

- Pressing the yellow button allows you to set favorite channel.



Guide

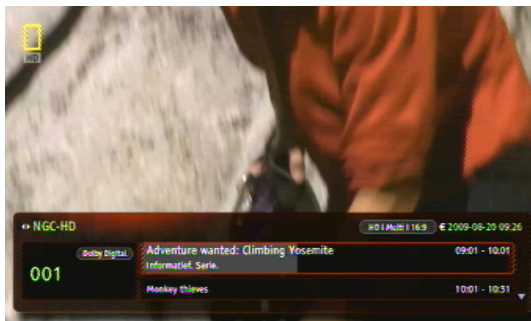
Pressing the **GUIDE** button on the remote controller displays the Electronic Program Guide (EPG) on the screen.

- Pressing the color button allows you to set scheduling.
- If you are already recording, You can watch the channels only being recorded.



Info Banner

You can see the info banner by pressing once the **INFO** button while watching a program.

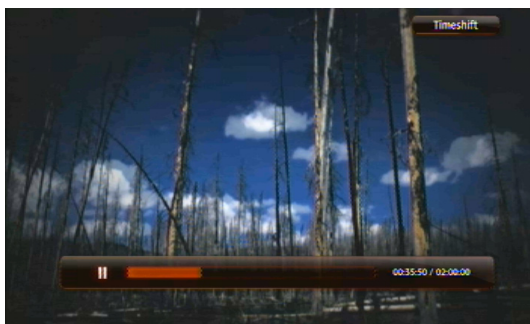


- You can see the next programs on current channel and another channel, using the **Navigation** buttons.
- You can confirm the current program's status (channel, title, broadcast time and record setting).

Using the Main Functions

Timeshifting

STB automatically saves the previous minutes of the channel that is watched or the radio channel that is listened. (maximum 120 minutes) This timeshifting mode makes it possible to stop live mode, rewind and review the program that was recorded moments before. Press **Play/Pause** button to enter the timeshifting mode.



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Pause/Play

- You can pause a program without missing what's next by pressing the **Play/Pause** button.
- To resume the current program where you left it, press **Play/Pause** button.

Rewind

- You can rewind by pressing the **Rewind** button.
- You will see the timeshifting/live delay increase. By pressing the **Rewind** button several times, you can increase the rewind speed. (x1, 2, 4, 8, 16, 32, 64 speed) It is possible to rewind by timeshift buffer settings. (maximum 120 minutes)

Fast Forward

- You can fast forward by pressing the **Forward** button.
- You will see the timeshifting/live delay decrease.
By pressing the **Forward** button several times, you can increase the fast forward speed. (x1, 2, 4, 8, 16, 32, 64 speed)
- If you remain in fast forward, you will finish by reaching the live program.

Stop

To exit the timeshifting mode and go back to the live program, press the **Stop** button.

Video Recording

You can record TV channels and Radio channels, press the **Rec** button.

You can record a program not only while watching the desired program, but also after selecting the desired program from the info banner, the TV guide or the Search menu.




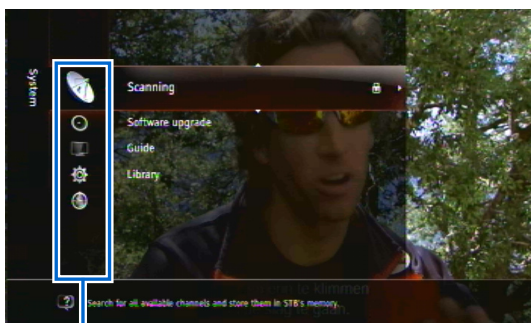
- You can simultaneously record 2 programs and watch one of them.
- The program to record display red icon in the zapping banner and the Channel list.
- If the program is to be broadcast at a later time or day, the STB will automatically book it, and will record it when it is broadcast.
- You can see the recorded programs list in the Library menu by pressing **Library** button. Also, you can see the booked programs list in the Programmed menu.
- When you press the **Timer** button while watching a TV, you can see the time menu screen. And you can set type, date, guard time, lock recording, etc. for recording.



- Press **Stop** button or **Rec** button in the program you are recording to stop video recording.
- You can delete the booked program in the programmed menu.





Main Menu

If you press the **MENU** button () while watching a TV, a main menu screen is displayed as follows:



Main Menu

System/Sound/Picture/Settings/
Programmed/Mailbox

- Select a desired item by using the up/down button ().
- Press the right button () to move to a lower level menu; or the left button () to a higher level menu.
- When a desired menu is found, press the OK button () to move to the selected menu screen.



Before Using the Product

The information contained in this chapter may be subject to change by a program provider without prior written notice to improve service or provide a new service. If the service has been changed, please contact a local service center.

System

Scanning

You can scan the channels by specifying the network information.

- The frequency/Network ID/Modulation/Symbol rate can be adjusted using the **Left/Right direction** button or entering number directly.
- Press the **OK** button to start scanning.
- Wait until the scan is completely finished.
- Press the **OK** button to apply the scan or **Return** button to cancel the scan.
- To use the Scanning menu, you need to enter a PIN code. The default PIN code is '0000'.



Software upgrade

You can check the software version of a STB and upgrade it to the latest version.

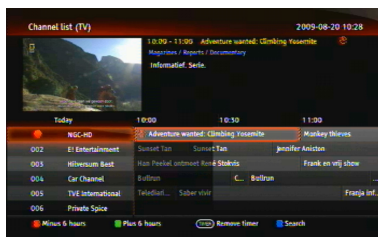
- You can see the Brand ID/Product ID/Firmware version/Software version/Last SW information.
- Press the **OK** button to upgrade new software.
- To use the software upgrade menu, you need to enter a PIN code. The default PIN code is '0000'.



Guide

You can move to a channel list screen, which displays the program list per channel, program details etc.

- The **color** button on the remote control is operated by the functions displayed at the bottom of a screen.
- Press the **blue** button to search a desired program.
- Select a channel program using **Direction** buttons and then press the **OK** button to watch the channel.
- You can schedule programs by selecting a desired program from a program list and pressing the **TIMER** button on a remote control. When it becomes the start time of the scheduled program, the relevant channel is displayed automatically. Pressing the **TIMER** button again cancels the scheduling. You can view the list of the scheduled programs from **[Main Menu] → [Programmed]**.



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Library

You can see the saved contents list.

- There are Video Recordings/Radio Recordings/Music/Images/All categories.

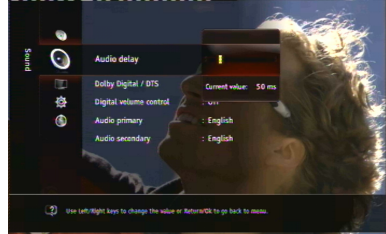


Sound

Audio delay

You can set the time difference to the speaker output of a home theater.

- **Left/Right direction** button is used to adjust the time.
- To use the Audio delay menu, you need to enter a PIN code. The default PIN code is '0000'.



Dolby Digital/DTS

Allows you to enable/disable the Dolby Digital audio, which is available when the program provider supports Dolby Digital audio.

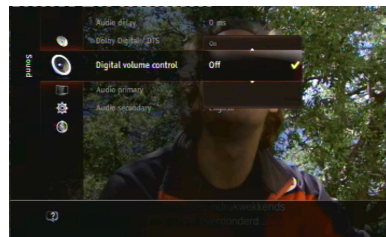
- The default setting is On.



Digital volume control

Allows you to control the volume of an amplifier of a home theater etc. using a remote control.

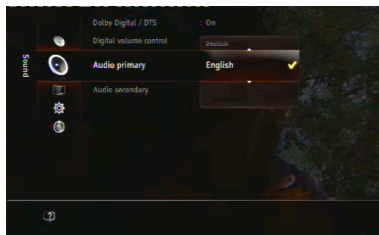
- For some channels which provide Dolby digital sound, you cannot control the volume.



Audio primary

You can change the language for the Audio primary.

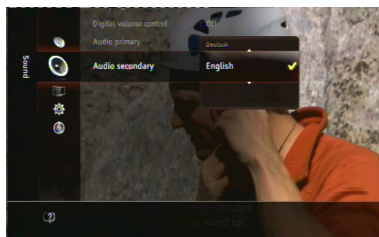
- Select the default language for the Audio primary using the **Up/Down direction** button.



Audio secondary

You can change the language for the Audio secondary, which is available if an Audio secondary service is provided by the program provider.

- Select the default language for the Audio secondary using the **Up/Down direction** button.



Picture

TV screen ratio

Allows you to change the screen output ratio.

- 4:3 and 16:9 ratio are available.
- The screen ratios available differ depending on the value setting of the aspect ratio.

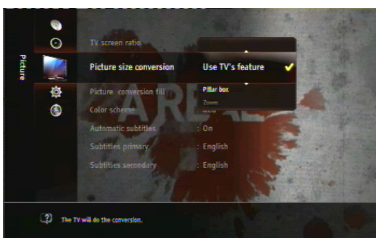
Aspect ratio	Screen ratio
Pillar box	16:9
Zoom	16:9, 4:3
Letter box	4:3



Picture size conversion

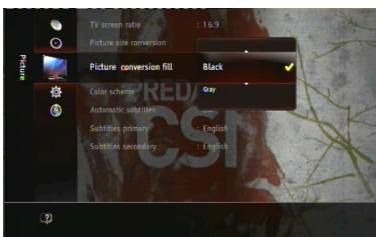
Allows you to change a screen output type.

- Use TV's feature, Pillar box, and Zoom are available for selection in the 16:9 TV screen ratio.
- Use TV's feature, Letter box, and Zoom are available for selection in the 4:3 TV screen ratio.
- You can see the difference when the selected type is the same as the screen output type supported by the TV. If they are not the same, the difference is not reflected on screen.



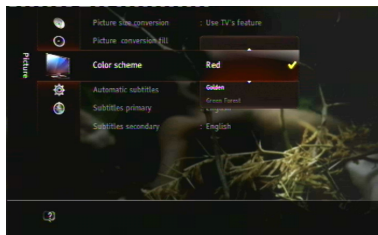
Picture conversion fill

You may see empty space on a screen depending on the aspect ratio and screen ratio settings. You can set the color to fill the empty space.



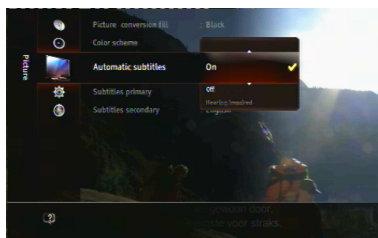
Color scheme

Used to change the color scheme of a menu.



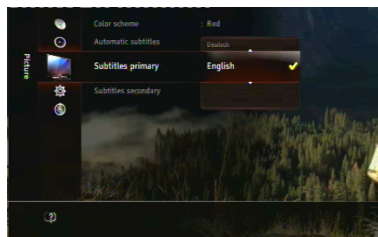
Automatic subtitles

Allows you to enable/disable subtitles.
To enable them, select On.



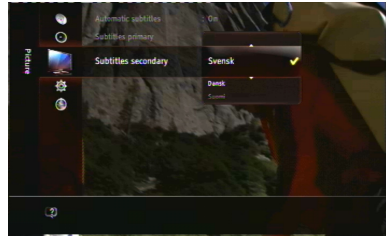
Subtitles primary

Allows you to change the primary language for the subtitles.



Subtitles secondary

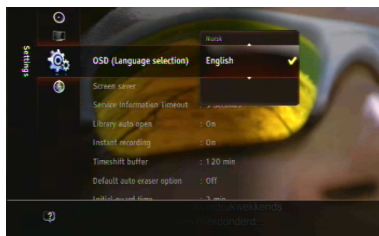
Allows you to change the secondary language for the subtitles. Subtitles are available when a secondary language service is provided by the program provider.



Settings

OSD (Language selection)

On Screen Display (OSD) is used to change the language of the menu screen.

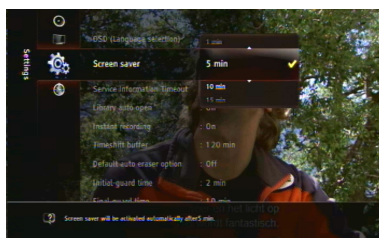


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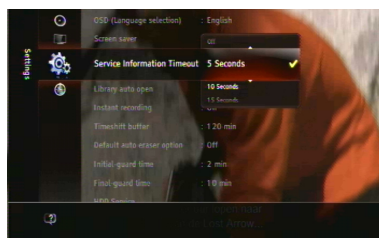
Screen saver

If there is no input from the remote control for a given period of time, the menu window disappears. For this purpose, enter the input waiting time of the remote control.



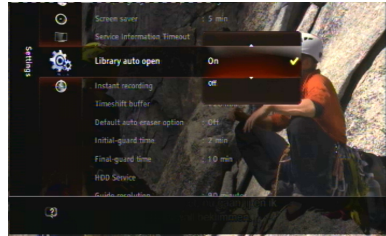
Service information timeout

Allows you to change the duration when the service information, which appears at the top of the screen upon changing channels or pressing the **INFO** button, is displayed.



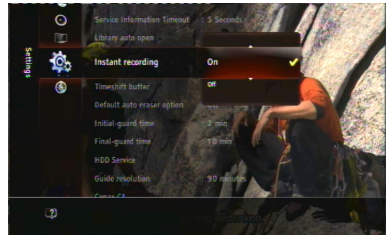
Library auto open

Allows you to automatically open library when USB memory stick is inserted.



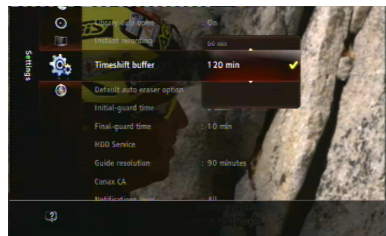
Instant recording

Used to on/off instant recording.



Timeshift buffer

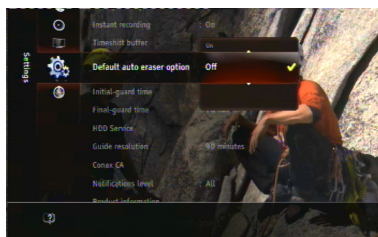
Used to set timeshift buffer duration.



Default auto eraser option

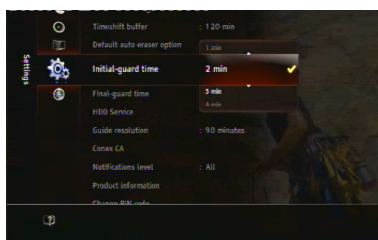
Allows you to erase the oldest recorded program from the library automatically. The 20% of HDD capacity will always be available.

For being automatically erased, That recorded program should be unprotected and you have to see that program at least over 5 minutes or over 50% of its length. Otherwise, this recorded program will not be erased. (PROTECT/UNPROTECT can be chosen after pressing RED button at Library feature.)



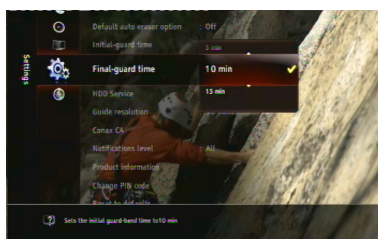
Initial-guard time

Allows you to set how many minutes before scheduled recording should started.



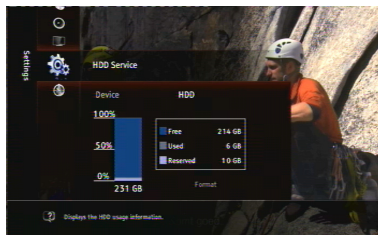
Final-guard time

Allows you to set how many minutes after scheduled recording should be stopped.



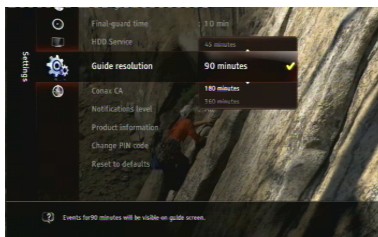
HDD Service

Displays the HDD usage information.



Guide resolution

This menu specifies the standard for setting the time interval of displaying the program list on a channel guide screen. The longer the interval is the more programs can be checked on a single screen.



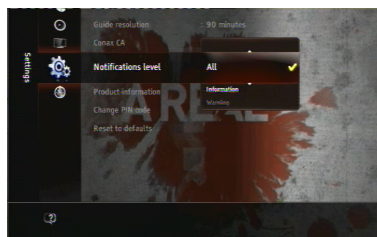
Conax CA

Displays the information related to CAS system.



Notifications level

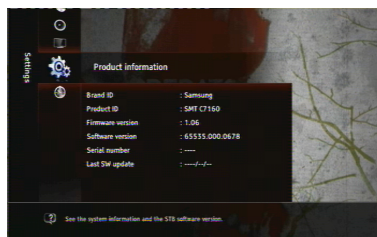
Used to set notification level. You can select notifications level to reduce number of popup displayed while using STB.



Product information

Displays the information on the product.

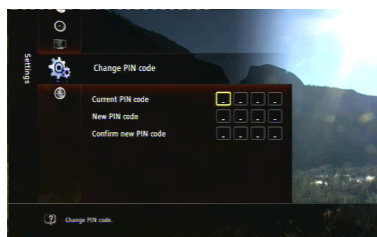
- You can check the Brand ID, Product ID, Firmware version, Software version, Serial number and Last SW update information.



Change PIN code

Used to change the PIN code value.

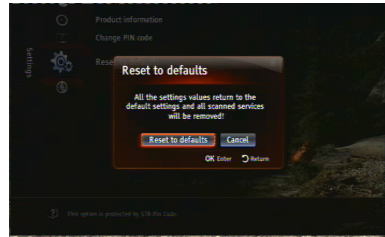
- Enter the current PIN code and then a new PIN code, and then press the **OK** button.
- Default PIN code is '0000'.



Reset to defaults

Used to reset all the settings to the default values.

- Select the **[Reset to defaults]** on the reset confirmation window, and press **OK** button to reset.



Programmed

You can see the list of the scheduled programs.

- To cancel scheduling, select the program by pressing the **yellow** button, and then press the **blue** button, and select **[cancel schedules]**.



TROUBLESHOOTING

This section describes how to handle the problems that may occur while using the STB.

If the STB becomes abnormal, first check the following:

If the problem still exists, contact a local service center.



Screen

Trouble	Solution
Nothing appears on a TV screen.	<ol style="list-style-type: none">1. Check if the TV and STB are powered on.2. Check the connection status of the cable between TV and STB.3. Check if the TV input is set to an external input mode.4. Press Power button to check the STB is in standby mode.
A menu screen is not displayed.	<ol style="list-style-type: none">1. Power on the STB, and then press the Menu button on the remote control.2. If pressing the Menu button still does not display a menu screen properly, contact the local service center.



Remote Control

Trouble	Solution
The remote control does not work.	<ol style="list-style-type: none">1. Check if the remote control is suitable for the STB.2. Replace the batteries with new ones and check if the remote control works normally.3. Check if the batteries are placed correctly.4. Check if there is an obstacle between a STB and a remote control.5. Operate the remote control near to the STB to see if it works normally.



General

Trouble	Solution
No sound comes out from TV or audio.	<ol style="list-style-type: none">1. Check the connection status of the cable between the audio port of TV/audio system and the AUDIO OUT port at the rear of the STB.2. If the cable is connected normally, check if the MUTE function is enabled. If the MUTE function is enabled, press the MUTE button on the remote control to disable it.
I cannot remember the password for the STB.	<p>The default password for the STB is '0000'. If you cannot remember the password, contact a local service center. You can specify a new password after initializing it.</p>

TV Manufacturer Number

The TV manufacturers and their numbers that a remote control can support are listed in the table below.

Manufacturer	Setting Numbers	Manufacturer	Setting Numbers
SAMSUNG	105 106 108 109 115 116 118 124 129 151 153 158 160 170 177 186 187 196 225 226 237 274 310 312 387 397 400 421 440 441 442	AOC	105 122 129 166
ACCENT	108 186	APOLLO	281
ACCUPHASE	108	AR	333
ACEC	451	ARC EN CIEL	354 414 416 419 420 454
ACTION	213 225	ARCAM	122 152 153 400 454
ACURA	124	ARDEN	108 186 287
ADMIRAL	130 144 170 175 209 223 243 264 271 297 310 351 357	ARISTONA	108 186 271 397 408 451
ADYSON	106 153 400	ARTHUR MARTIN	220 264 310
AEA	108 186	ASA	260 261 263 264 270 271 273 278 295 297 298 299 351 367 372 373 378 379 382 384 385
AGASHI	153 170 400	ASBERG	108 186 229 296 376
AGB	284	ASORA	124
AGEF	297 351	ASTRA	108 186
AIKO	108 118 119 124 153 170 186 207 226 236 264 294 400	ASUKA	153 154 170 174 397 400
AIM	108 118 186 231	ATLANTIC	108 117 186 208 397 400 411 453
AIWA	248 249 293 448	ATORI	124
AKAI	105 108 109 118 124 129 134 153 154 170 186 196 198 199 207 209 224 225 226 236 246 264 277 282 284 285 286 287 288 294 310 397 400 416	AUCHAN	220 264 310
AKIBA	108 154 174 186 289	AUDIOSONIC	108 124 153 170 186 189 242 274 276 280 287 288 400 414 416
AKITO	108 186 290	AUDIOTON	153 170 274 276 280 397 400
AKURA	108 124 154 170 174 186 231 300 307 405	AUDIOVOX	119 122 162 182
ALARON	152 161 165 400	AUMARK	116
ALBA	107 108 124 134 154 186 210 223 236 241 246 251 264 274 300 308 310 393 397 400	AUSIND	279 296 376 381
ALBIRAL	452	AUTOVOX	117 153 158 175 207 278 296 297 305 348 351 376 378 379 381 385 393 397 400 404 405 408 411 423
ALCYON	296 376	AWA	108 124 153 170 186 231 242 285 288 321 345 347 400
ALKOS	294	AXXENT	124
ALLORGAN	117 153 211 397 400 411	AXXON	287
ALLSTAR	108 186	AYOMI	401
AMBASSADOR	141	BAIRD	118 153 196 198 226 353 400 414 416 417
AMPLIVISION	153 220 274 400 453	BANG & OLUFSEN	297 314 351
AMSTRAD	108 124 134 141 149 154 170 186 192 231 236 246 255 264 284 308 345	BARCO	184 192 264 310 452
ANAM	108 123 124 162 186	BASIC LINE	108 124 153 154 174 186 242 264 289 300 310 321
ANAM NATIONAL	108 114 186	BASTIDE	153 400
ANGLO	124 170	BAUR	108 185 186 187 192 198 207 209 264 305 365 366 369 386 405
ANITECH	108 124 170 174 186 229 296 376	BAYSONIC	162
ANSONIC	108 124 186 212 229 236 242 264 274 280 298 300 310 313 393 451	BAZIN	153

Manufacturer	Setting Numbers
BEAUMARK	129 160
BEC	209 213 225
BECRESE	142 198 199 209 213
BEKO	108 186 274 276 280 285 287 288 294
BELCOR	129
BELL & HOWELL	126 139 196
BEON	108 186 223
BERTHEN	300
BEST	274
BESTAR	108 186 242 274 321
BESTAR- DAEWOO	242
BINATONE	153 400
BLACK DIAMOND	108 246
BLACK PANTHER	229
BLACK STRIP	294
BLACKSTAR	393
BLACKSTRIPE	142 196 198
BLACKTRON	174
BLACKWAY	174
BLAUPUNKT	150 151 169 289 357 362 363 365 366 369 434 436 453
BLUE SKY	108 124 154 174 186 246 251 287 288 289 300
BLUE STAR	174
BONDSTEC	393
BOOTS	124 153 290 397 400
BOSCH-BAUER	208
BPL	108 174 186 309
BRADFORD	162
BRANDT	354 359 414 416 417 418 430 432 454
BRANT ELECTRONIC	414 419 420
BRANT ELECTRONIQUE	354 414 416 419
BRINKMANN	108 186 223 276 300
BRIONVEGA	108 186 192 264 271 297 308 348 351 392 425
BRITANNIA	152 153 400
BROCKWOOD	129
BROKSONIC	122 157 183
BROTHER	170
BROUNS	271 351
BRUNS	228 280 297
BSR	203 207 211 264 308 310
BTC	154
BUSH	107 108 124 134 153 154 170 174 186 192 196 198 203 207 209 210 211 236 241 242 246 251 264 287 290 300 301 305 310 321 400 405
BUSH (UK)	264 308
CANDLE	105 115 167
CAPEHART	225
CAPSONIC	108 170 289
CARAD	108 186 300
CARENA	108 186 289
CARNIVALE	105
CARREFOUR	107 108 186 195

Manufacturer	Setting Numbers
CARVER	113 148
CASCADE	108 124 186 328
CASIO	108 186 305 310
CATHAY	108 186
CCE	108 153 177 186 400
CCI	218
CENTRUM	246
CENTURION	108 186
CENTURY	223 271 297 351 357 393 401
CGE	191 192 211 223 243 264 274 296 308 310 360 376 381 383 393 435 437
CIE	233
CIMLINE	124 141 210
CINERAL	119 182
CITIZEN	105 109 115 116 119 142 167 173
CITY	124
CLAIRTONE	166
CLARIVOX	108 186 223 224 229 295 410
CLATRONIC	108 124 153 154 170 186 208 229 236 274 287 296 376 393 400 453
CLAYTON	246
CME	107 108 118 124 125 141 144 153 155 156 158 175 178 185
CMS HIGHTEC	153 400
COMTEL	410
CONCERTO	115
CONCORDE	124
CONDOR	108 124 170 174 186 208 212 223 229 274 310 393 397 400 403 453
CONIC	213
CONRAD	108 186
CONTEC	107 108 124 152 162 166 170 186 345 347 400
CONTINENTAL EDISON	251 354 414 416 419 420 430 432 454
COSMEL	108 124 186
CRAIG	162
CRIPTOVISION	195
CROSLEY	113 191 211 213 262 264 271 296 297 310 351 357 376 381 383 393 435 437
CROWN	108 109 112 124 162 186 196 198 223 229 251 274 276 285 287 288 296 304 307 309 376 405 152 154 393 400
CS ELECTRONICS	
CTC	208 393
CTC CLATRONIC	229
CURTIS MATHES	105 109 110 111 113 115 116 126 130 136 139 142 146 178 182 196
CXC	162
CYBERTRON	154
DAEWOO	108 109 119 124 129 153 154 182 186 233 242 321 400
DAINICHI	154 400
DANSAI	108 124 153 170 186 294 400
DANSETTE	231
DANTAX	274 276 285 287 288
DATSURA	196 198 309
DAWA	108 186
DAYTON	108 321
DAYTRON	108 109 124 129 186 198 242

Manufacturer	Setting Numbers
DE GRAAF	156 196 198 264 310 406
DECCA	108 118 153 186 226 284 290 398
DECCA (UK)	108 290 345 395 397 400
DEITRON	108 186 242
DENKO	170
DENON	136 178
DENVER	108 186 285
DERWENT	409
DESMET	108 124 186 208 297 453
DIAMANT	108 186
DIAMOND	170 301
DIGATRON	108 186
DIGILINE	108 186
DIGITOR	108 186
DIGIVISION	207
DIK	108 186
DIXI	108 123 124 153 186 228 297 393 400
DOMEOS	300
DORIC	264 305 409
DREAN	108
DTS	124
DUAL	108 153 186 207 264 305 308 310 364 386 397 400 404 405 416 423 438 454
DUAL TEC	124 153 308 361 397 400
DUMINT	229
DUMONT	118 127 129 153 191 226 229 264 271 295 297 298 351 373 379 384 385 400
DUMONT-FINLUX	229 264 372 378 382
DUNAI	310
DUX	108 186 451
D-VISION	108 186
DYNATECH	153
DYNATRON	108 186
ECTEC	189
ELBE	108 153 154 186 207 212 219 239 243 264 274 284 308 310 313 364 401
ELBE-SHARP	284
ELCIT	229 264 271 284 297 308 310 351
ELCIT	390 393 395
ELECTRO TECH	124
ELECTROBAND	166
ELECTROHOME	188 196 213
ELEKTA	108 124 170 174 186
ELG	108 186
ELIN	108 124 186 207 264 298 299 305 310 372 400 405 406
ELITE	108 142 154 186 196 208 403
ELMAN	229 308
ELTA	124 170

Manufacturer	Setting Numbers
EMERSON	108 109 129 139 141 157 160 161 162 163 164 165 166 170 171 173 174 183 186 207 236 271 274 276 295 296 297 310 351 393 400 453
EMPEROR	174
ENVISION	105
ERRES	108 186 357
ESC	108 153 186 451
ESTELE	310
ETRON	108 124 186 264 310
EURO-FEEL	153 170
EUROMANN	108 153 170 186 274 400
EUROPA	108 186
EUROPHON	108 153 186 229 264 284 308 310 393 395 397 398 400
EXCEL	108 186
EXPERT	117 220 264 310 411
EXQUISIT	108 186 393
FAMILY LIFE	108 186
FENNER	124 242 321
FERGUSON	108 170 186 192 207 226 227 294 298 353 359 365 379 397 401 414 416 417 418 431
FIDELITY	108 152 170 186 187 194 207 231 236 264 310 397 400
FILSAI	153 397 400
FINLANDIA	118 155 196 198 207 263 264 273 307 310 373 405
FINLUX	108 118 153 161 186 191 203 212 223 226 229 260 261 262 263 264 270 273 278 279 281 282 283 284 285 286 287 288 295 296 297 298 299 310 351 367 372 373 376 378 379 381 382 384 385 400
FIRST LINE	108 118 124 152 153 186 196 198 207 210 211 212 226 229 242 264 287 300 305 310 321 393 400 401 405 445
FISHER	107 118 139 143 153 196 198 207 226 228 264 271 274 297 298 305 310 347 351 367 375 386 397 400 405 423 443
FLINT	108 118 154 170 186 226 289
FNR	229
FORMENTI	108 186 191 192 193 208 264 276 296 297 310 351 357 376 381 400 403 453
FORMENTI- PHOENIX	262 264 279 397 453
FORTRESS	130 297 351
FRABA	108 186 274
FRIAC	108 124 186 229 274
FRONTECH	109 124 144 153 170 209 264 305 310 393 400 405
FUJITSU	108 117 118 123 124 153 161 186 207 225 226 229 264 310 322 323 400 411
FUJITSU GENERAL	117 124 153 310 400
FUNAI	149 161 162 170 211 231 300
FUTURE	108 186
FUTURETECH	162
GALAXIS	108 186 223 229 252 274
GALERIA	124
GBC	124 192 209 242 262 264 308 310 321
GE	101 103 110 111 114 129 130 135 160 174 182 414 416 417
GEANT CASINO	220 264 310
GEC	108 118 153 186 205 207 213 226 264 284 305 310 398 400 405
GEC (UK)	264 395 397
GELOSO	124 191 209 242 262 264 308 310 321 357 390 393
GENERAL	328 414 416

Manufacturer	Setting Numbers
GENERAL TECHNIC	124
GENESIS	124
GENEXXA	108 124 144 154 186 231 264 310
GIANT	153
GIBRALTER	105 127 129
GO VIDEO	116
GOLDFUNK	300
GOLDHAND	400
GOLDSTAR	105 106 108 109 115 120 121 124 129 134 153 160 170 186 203 207 213 225 250 274 285 310 312
GOODMANS	107 108 118 124 153 161 170 182 186 210 226 233 236 242 246 251 264 282 284 294 300 312 321 400 416 417
GORENJE	274
GPM	154
GRADIENTE	108 112 115 148 180 186
GRADIN	208
GRAETZ	108 144 186 191 207 209 236 264 304 310 381
GRANADA	107 108 118 137 153 155 186 192 196 198 199 216 220 225 226 264 276 281 284 296 304 306 307 310 376 398 400 405 409 417 443 451
GRANADA (UK)	264 381 395 397
GRANDIN	108 124 154 174 186 220 239 242 264 287 288 289 300 310 453
GRONIC	153 229 310 400
GRUNDIG	108 124 133 150 158 169 186 237 251 270 274 295 296 302 365 366 369 376 379 381
GRUNPY	161 162
HALIFAX	153 170 400
HALLMARK	160
HAMPTON	153 400
HANIMEX	211
HANSEATIC	107 108 124 153 174 186 187 207 208 209 211 212 262 264 274 276 280 297 305 309 310 313 351 397 400 403 405 453
HANTAREX	108 124 186 229 284 395
HANTOR	108 186
HARLEY DAVIDSON	161
HARMAN KARDON	113
HARVARD	162
HARWOOD	108 124 186 231
HAUPPAUGE	108 186
HAVERMY	130
HCM	108 124 153 154 170 174 186 223 231 400
HEDZON	108 186
HEMA	124 153 400
HEMMERMANN	207 264 305 405
HIFIVOX	354 414 416 419 420 454
HIGASHI	397
HIGHLINE	108 170 186
HINARI	107 108 109 124 133 141 154 161 170 186 196 198 210 211 241 251 264 310

Manufacturer	Setting Numbers
HISAWA	154 174 220 289
HIT	297 351
HITACHI	106 107 108 115 118 129 131 132 136 138 140 144 153 155 156 178 179 186 187 191 192 198 199 200 201 204 205 206 207 209 213 214 215 216 217 225 226 258 264 267 281 282 283 284 299 305 306 307 308 310 311 341 342 343 344 354 372 397 400 405 406 414 416 417 422
HITACHI FUJIAN	137
HITSU	124 154 289
HMV	297
HORNYPHONE	108 186 451
HOSHAI	154 289
HUANYU	152 242 321 400
HUSPI ELEKTRONIK	223
HYGASHI	153 400
HYPER	124 153 308 393 397 400
HYPERSONIC	264
HYPERVISION	207 234
HYPSON	108 153 170 174 186 220 287 288 289 400
HYUNDAI	108 186
IBERIA	108 186
ICES	154 400
ICT	108 186
IMPERIAL	108 186 191 192 202 207 209 212 223 243 264 274 296 305 308 310 360 376 381 382 383 393 405 435 437
INDESIT	158
INDIANA	108 186
INFINITY	113
INGEKEN	239 144 207 239 251 264 287 310 381
INGERSOLL	124
INNO HIT	108 109 118 124 153 154 174 186 225 226 229 284 296 312 376 393 395 397 400
INNOVA	108
INNOVATION	108 186
INTEQ	127
INTERACTIVE	108 186 187 207 212 274 297 310
INTERBUY	108 124 170 186 187 393
INTERFUNK	108 144 186 187 205 207 209 264 268 271 274 277 297 305 310 351 381 393 414 416 419 420 451
INTERNAL	108 186 242
INTERVISION	108 124 153 154 170 174 186 224 229 236 251 254 264 274 276 289 310 393 400
IR	437
IRRADIO	108 109 124 154 186 279 296 312 376 381 393
ISUKAI	108 154 174 186 289
ITC	153 192 400
ITS	108 124 154 170 174 186 236 400
ITT	144 161 191 196 198 207 209 210 242 263 264 273 281 282 304 305 310 373 381 405 406 424
ITT NOKIA	161 196 198 207 210 239 242 263 264 268 273 277 281 282 285 286 288 304 305 310 373 381 405
ITV	108 170 186 242 393

Manufacturer	Setting Numbers
JBL	113
JCB	237
JEAN	107
JEC	142 294
JET POINT	116
JMB	108 133 186 242
JOCEL	303
JUBILEE	108
JVC	107 112 147 154 164 223 227 236 285 288 353 416
KAISUI	108 124 152 153 154 174 186 289 397 400
KAMOSONIC	397
KAMP	152 400
KAPSCH	117 144 205 207 209 264 298 310 411
KARCHER	108 124 170 174 186 229 239 264 274 310 372 397
KATHREIN	108 186 187
KAWASHO	152 176 400
KB ARISTOCRAT	264 310
KEC	162
KENDO	108 186 187 192 209 210 212 224 229 239 264 274 280 308 310 393
KENNEDY	117 192 243 262 264 310 408 411
KENWOOD	105 129 299
KINGSLEY	152 400
KITON	108 186
KLARMAX	452
KLH	225
KLOSS	102
KMC	134
KNEISSEL	108 186 212 239 242 243 274 308 313 364 401
KOLSTER	108 186 229 305 405
KONIG	107 108 124 125 144 151 158
KONKA	108 154 186 223 236 287
KONTAKT	251
KORPEL	108 186
KORTING	208 211 271 274 297 351 453
KOSMOS	108 186
KOTRON	170 231
KOYODA	124
KRAKING	401
KRIESLER	271 397 408 451
KTV	105 109 153 162 165 166 173 397 400
KUBA	305 310
KUBA ELECTRONIC	207 305 310
KURO	309
KYOSHU	170 223 231
KYOTO	153 264 310
LASAT	274 276
LEADER	124
LECSON	108 186
LEMAIR	212

Manufacturer	Setting Numbers
Lenco	108 124 170 186 233 242 256 264 298 310 321
LENOIR	124 397
LESA	393
LEVIS AUSTRIA	108 186
LEYCO	108 118 170 186 211 225 226
LG	108 115 124 129 153 186 207 224 244 264 274 285 287 308 310 312 386 391 393 397 400 416
LIESENK & TTER	108 186 434 451
LIFE	374 413 429 450
LIFETEC	108 124 154 170 186 187 242 246 300 321 374 413 429 450
LLOYD'S	124
LLOYTRON	106
LOEWE	108 113 186 187 246 247 271 272 274 275 290 297 308 313 351 398
LOEWE OPTA	271 272 351 395 398 426
LOGIK	108 120 126 186 236 301 345
LOGIX	124 300
LUMA	108 117 124 186 209 212 242 264 308 310 321 411
LUMATRON	108 117 153 170 186 207 264 308 310 400 411
LUX MAY	108 124 134 186
LUXMAN	115
LUXMAY	124
LUXOR	153 158 161 192 196 198 204 205 207 209 225 263 264 267 273 277 281 282 283 286 305 306 310 311 312 373 381 397 399 405
LXI	110 113 127 129 139 142 160 196
LYCO	170
M ELECTRONIC	108 124 144 153
MAAZ	452
MADISON	108
MAGAVOX	107
MAGNADYNE	191 207 229 262 264 271 284 297 308 310 351 390 393 395 398
MAGNAFON	229 279 284 296 357 376 381 395 397 398 400
MAGNASONIC	196
MAGNAVOX	100 102 104 105 107 108 113 161 167 168 186 213
MAGNUM	108 186 287 288 374 413 429 450
MAIDSON	108 186
MAJESTIC	126
MANDOR	170
MANESTH	108 153 170 186 208 210 211 294 310 400 403 453
MANHATTAN	108 124 186 246 300 310
MARANTZ	105 108 113 186 187 231
MARELLI	297 351
MARK	108 124 153 186 242 287 288 321 400
MASUDA	108 124 153 154 170 186 236
MATSUI	107 108 118 124 125 133 141 153 186 196 198 202 207 210 211 226 236 241 251 264 284 289 290 294 305 310 345 365 397 400 405 417 443
MATSUSHITA	111 179
MAXIMAL	264
MAXWELL	452
MC MICHAEL	213
MEDIATOR	108 186 451
MEDION	108 124 186 187 300 301
MEGAS	239

Manufacturer	Setting Numbers
MEGATRON	122 129 136 160 178 199
MEI	166
MELECTRONIC	108 124 186 187 207 212 242 263 273 282 283 298 299 305 310 321 367 372 373 393 400 405 414 416
MELVOX	220
MEMOREX	115 116 124 126 129 134 137 139 160 170 179 196
MEMPHIS	118 124 225 226 410
MERCURY	108 124 186
METZ	108 186 246 271 297 300 346 350 351 352 357 365 368 369 395
MGA	105 108 129 133 137 160 186 298
MICROMAXX	108 124 186 246 300
MICROSTAR	374 413 429 450
MIDLAND	106 109 110 111 127 135
MINATO	108 186
MINERVA	158 251 284 295 296 365 366 369 376 379 381
MINOKA	108 186 231 307 405
MINUTZ	101
MITSUBISHI	107 108 129 130 133 137 158 160 186 187 196 271 297 345 351 365 369 409 424 310
MITSURI GENERAL MIVAR	152 153 270 274 284 296 312 313 376 377 380 381 386 389 395 397 398 400 412
MONACO	124
MORGAN'S	108 186
MOTION	296 376
MOTOROLA	114 130
MTC	105 115 116 129 152 166 187 207 274 305 310 400 405
MTEC	290
MULTIMEDIA	232
MULTISTANDARD	229
MULTITEC	108 124 186 246 276 300
MULTITECH	108 124 152 153 162 170 186 209 229 274 276 296 305 376 393 395 397 398 400 405
MURPHY	118 226 264 298 310 400 409
MUSIKLAND	108 154 186
MYRYAD	108 186
NAD	129 142 146 160 198 207 264 310
NAIKO	108 186 285
NAKIMURA	108 186 242 321
NAONIS	209 264 310 361 408
NAT	114 422
NATIONAL	114 155 158 264
NEC	105 107 108 115 124 129 148 153 186 242 289 321 345 400 453
NECKERMANN	108 153 169 185 186 187 192 209 212 223 264 271 274 297 305 310 351 357 360 365 366 393 397 400 405
NEI	108 186 236 310 410
NESCO	161 393
NETSAT	108 186
NEUFUNK	108 124 174 186 239 287

Manufacturer	Setting Numbers
NEW TECH	107 108 124 153 154 170 186 226 400
NEW WORLD	154
NICAMAGIC	400
NIKKAI	106 107 108 109 118 124 142 152 153 154 170 186 225 226 264 294 400 410
NIKKO	105 110 119 127 129 139 142 160
NISATO	189
NOBLEX	108 170 181
NOBLIKO	229 279 295 296 376 379 381 397 400
NOGMATIC	354 414 416 419 420 454
NOKIA	161 170 196 198 204 205 206 207 209 210 242 253 263 264 273 281 282 283 285 286 288 304 305 307 310 321 373 381 405 406 424 153
NORDIC	108 186 191 264 287 310 348 354 357 365 414 416 417 419 420 454
NORDMENDE	310
NORFOLK	108 186
NORMEREL	128
NOSHI	108 186 242 299 321 372
NOVATRONIC	119
NTC	207 310
NURNBERG	144 191 196 198 200 207 209 211 220 264 277 281 282 310 358 415
OCEANIC	264
OCEANIC(F)	170
ODEON	108 118 124 170 186 226 274
OKANO	170
OMEGA	397
ONCEAS	134 154 162 229 236
ONWA	108 186
OPERA	139 146 179
OPTIMUS	130 145
OPTONICA	108 186
ORBIT	108 124 133 141 157 161 170 183 186 207 208 210 211 229 231 241 264 284 287 345 403 427 445 446 447 453
ORION	108 154 186
ORLINE	264
ORMENTI- PHOENIX	108 124 246 300
ORMOND	284
ORSOWE	106 108 109 118 153 154 170 186 225 226 231 241 242 290 321 400
OSAKI	108 186 312
OSIO	154
OSO	106 107 108 118 154 186 225 226
OSUME	107 108 124 130 153 169 174 185 186 187 191 192 198 203 207 208 209 210 211 262 264 280 284 305 309 357 365 366 369 386 393 397 400 403 405 414 417 433 453
OTTO VERSAND	108 186
PACIFIC	279 397 400
PAEL	108 153 185 186 209 212 223 264 274 297 305 310 351 365 393 400 405
PALLADIUM	108 153 170 186 224 231 301 334 335 400
PALSONIC	108 124 153 170 186 393 400
PANAMA	

Manufacturer	Setting Numbers
PANASONIC	108 110 111 112 113 114 116 120 130 136 137 139 142 144 145 155 158 160 178 179 186 191 207 209 264 284 310 357 368 422
PANAVISION	108 186 212
PATHE CINEMA	152 155 192 208 220 264 274 305 308 310 313 357 397 400 401 403 405 453
PATHE MARCONI	354 414 416 419 420 430 432 454
PAUSA	124
PCE/PEC	142 196 198
PENNEY	101 103 105 106 109 110 111 115 116 121 122 128 129 135 142 160
PERDIO	108 118 174 186 226 264 310 403 453
PERFEKT	108 186
PERSHIN	220
PHASE	106
PHILCO	100 102 104 105 108 113 129 136 155 167 168 178 183 186 192 211 223 243 262 264 271 274 296 297 308 310 351 357 360 376 381 383 393 435 437
PHILEX	310
PHILHARMONIC	153 400
PHILIPS	100 101 102 103 104 108 109 113 127 128 129 186 187 213 225 238 240 242 249 271 297 314 321 327 328 329 331 351 365 366 383 397 408 416 427 428 430 451
PHOENIX	108 118 186 226 264 274 276 297 310 351 397 400 453
PHONOLA	108 186 208 271 297 351 397 400 408 451
PILOT	105 108 109 129 186 303
PIONEER	108 144 146 186 187 198 207 264 274 276 280 310 327 414 416 417
PIONIER	274 276
PLANTRON	108 124 170 186
PLAYSONIC	153 287 400
POLICOM	117 158 207 229 295 297 310 414
POLYRON	170
POPPY	124
PORTLAND	109 119 129 242 321
POWERPOINT	251
PRANDONI	207 209 264 279 284 296 376 381 393 395 398
PRINCE	
PRECISION	153 400
PREMIER	124 264
PRIMA	124 142 170 196 231
PRINCE	264 395
PRINZ	118 207 225 226 305 311 405
PRISM	111
PROFEX	124 207 264 296 310 376
PROFI	124
PROFITRONIC	108 186 229
PROLINE	108 118 186 212 226 359 445 446 451
PROSCAN	105 110
PROSONIC	108 114 124 186 236 242 274 287 300 321 400 422
PROTEC	209 229
PROTECH	108 124 153 170 174 186 192 223 229 264 276 300 305 310 393 400 405 410
PROTON	122 129 160
PRO-VISION	108 186 246
PULSAR	127 129

Manufacturer	Setting Numbers
PULSER	213 225
PYE	108 186 231 242 271 297 305 321 351 397 408 451
PYMI	108 124 321 351 451
QUADRA VISION	220
QUASAR	111 114 124 145 179 229 393 395
QUELLE	108 124 125 153 170 185 186 187 192 198 203 207 209 210 211 260 261 264 268 270 273 277 278 279 295 298 299 300 305 312 345 347 357 365 366 367 369 372 378 379 381 382 384 385 393 396 397 400 405 414 434 435 436 437 453
QUESTA	107
R LINE	186 310
RADIALVA	108 154 186 264 310 414
RADIO SHACK	105 106 109 110 115 129 139 145 160 162 196
RADIOLA	108 153 186 271 397 408 430 451
RADIOMARELLI	108 186 229 264 271 284 297 308 351 390 393 395 409
RADIONETTE	264 372
RADIO SHACK	108 186
RADIOTONE	108 124 170 186 223 231 274 280 300
RADIX	198
RANK	295
RANK ARENA	107 295 316 317 318 319
RBM	295
RCA	110 111 128 129 130 135 359 417
REALISTIC	105 106 109 115 129 139 145 160 162 196
RECOR	108 186
RECTILIGNE	108 186
REDIFFUSION	107 207 264 273 407 409
REDIFFUSION (UK)	264
REDSTAR	108 186
REFLEX	108 186 246 300
REKORD	259
REOC	287
REVOX	108 186 274
REX	117 144 170 175 209 212 264 310 361 364 393 408 411
RFT	118 170 186 226 228 274 276 280 297 313 351
RHAPSODY	152 165 166 400
RICOH	108 186
R-LINE	108
ROADSTAR	108 124 154 170 174 186 223 246
ROBOTRON	297
RODEX	108 186
ROVOTRON	271 351
ROWA	153 170 301 303
ROWSONIC	397
ROYAL LUX	231 274
RTF	108 271
RUKOPIR	108 186
RUNCO 105	127

Manufacturer	Setting Numbers	Manufacturer	Setting Numbers
SABA	144 191 205 207 209 264 271 284 297 310 351 354 357 359 395 398 414 416 417 418 419 420 454	SIESTA	274
SACCS	401	SIGNATURE	126 142
SAGEM	174 239 289	SILVA	108 186 207 400
SAISHO	124 125 141 153 170 210 264 284 310 345 397 400	SILVER	107 108 161 170 186 207 264 288 289 310
SAIVOD	108 186	SIMPSON	167 168
SAKAI	310	SINGER	108 124 186 220 229 243 262 264 271 297 310 351 393
SAKIO	170	SINUDYNE	108 117 141 185 186 191 207 210 211 212 229 262 264 271 284 297 305 310 351 357 405 411 427 446 447
SALORA	144 155 192 196 198 204 207 209 225 264 265 266 267 268 269 277 284 291 292 304 305 306 307 309 310 311 312 405 406	SKANTIC	192 205 209 264 306
SAMBERS	229 279 284 296 357 376 381 395 398	SKY	108 186
SAMPO	105 106 109 340	SKYMASTER	299
SAMSUX	109	SKYWORTH	449
SANDRA	152 153 400	SLX	300
SANELA	401	SOGERA	208 453
SANSEI	182	SOLAVOX	106 108 109 118 144 186 207 226 264 310
SANSUI	108 183 186 236 289 302	SONAWA	154
SANTON	124	SONIKO	108 186
SANYO	107 108 118 123 124 125 139 143 153 164 186 196 197 198 225 226 261 264 271 274 276 298 304 309 310 313 320 324 325 326 332 345 347 357 367 372 397 400 443	SONITRON	153 196 198 274 304 400
SAVE	108 186	SONNECLAIR	108 186
SBR	108 186 451	SONOKO	108 124 153 170 174 186 397 400
SCHAUB LORENZ	191 207 209 242 264 276 285 287 288 305 381 405	SONOLOR	144 174 185 196 198 207 220 264 310
SCHNEIDER	108 124 153 154 170 186 207 236 246 253 257 262 264 271 287 300 305 308 310 361 364 375 386 393 397 400 404 405 408 416 423 430 438 451	SONTEC	108 124 186 211 274
SCIMITSU	129	SONY	107 108 125 172 185 186 229 324 326 330 345 437 439
SCOTCH	160	SOUND & VISION	108 154 186 229 242 321
SCOTLAND	310	SOUND WAVE	453
SCOTT	129 157 160 161 162	SOUNDESIGN	129 160 161 162 167
SEARS	110 113 115 129 139 142 143 149 160 161 196	SOUNDWAVE	108 186 223
SEG	107 108 124 153 170 186 192 228 229 246 251 264 296 300 305 308 310 376 393 397 400	SPECTRA	124 233
SEI	108 117 141 185 186 191 211 229 264 284 297 305 310 351 357 405 411	SPECTRICON	122
SEI-SINUDYNE	108 117 186 207 209 210 211 229 284 297 402	SQUAREVIEW	149
SELECO	117 144 170 175 190 192 209 212 221 222 243 264 273 308 310 361 364 408 411	SR2000	196
SEMIVOX	162	SSANGYONG	124
SEMP	142	SSS	129 162
SENCORA	124	STAKSONIC	124
SENTRA	124 142 154 264 294 305	STANDARD	108 124 153 154 186 208 242 246 321 397 400 453
SERINO	239 289	STARLIGHT	108 124 170 264
SHARP	106 107 108 109 112 130 145 164 211 284 326 347 433	STARLITE	108 124 162 170 186 231 310
SHINTOSHI	108 186	STENWAY	154 174
SHIVAKI	108 133 186 242	STERN	117 144 170 175 209 212 243 264 310 361 364 408 411
SHOGUN	129	STRATO	108 124 170 186
SHORAI	161 211	STYLANDIA	153
SIAM	108 191 229 262 264 271 284 297	SUNIC LINE	108 186
SIAREM	310 351 357 395 398	SUNKAI	108 154 186 210 211 241 251 289 445 447
SICATEL	220	SUNSTAR	108 124 170 186 236
SIEMENS	107 108 109 150 151 169 186 191 207 264 347 357 365 366 369 434 436 453	SUNWOOD	108 124 186
SIERA	108 186 271 397 408 451	SUPERLA	153 284 400

Manufacturer	Setting Numbers
SUPERTECH	108 124 154 186 207 400
SUPRA	115 124 242 321
SUSUMU	154 417
SUTRON	124
SWISSLINE	393
SYDNEY	153 400
SYLVANIA	100 102 104 105 113 167 168 188
SYMPHONIC	149
SYSLINE	108 161 186
SYTONG	400
TACTUS	290
TADNDY	225
TANDBERG	207 212 264 271 308 310 368 378 385 414 416
TANDY	118 130 144 153 154 226 264 310 393 397 400
TASHIKO	107 148 213 264 307 310 397 400 405
TASHKO	107 153
TATUNG	108 114 118 122 153 186 225 226 284 290 345 397 398 400
TCM	287 374 413 429 450
TEAC	108 124 129 153 170 174 186 187 207 223 231 246 262 289 300 301 302 303 305 405
TEC	108 124 153 186 192 207 233 308 310 328 361 364 393 397 400 417
TECHICA	154
TECHLINE	108 124 186 229 300
TECHNEMA	208 403 453
TECHNICS	110 111 127 179
TECHNISAT	108 186 230 310
TECHNOLACE	161
TECHWOOD	111 115 122
TECNIMAGEN	108
TELELEX	108 124 153 186 196 285 400
TEIRON	124
TEKNIKA	109 113 115 116 119 126 129 137
TEKNIKA	161 162 167
TELEAVIA	354 414 416 417 419 420 430 432 454
TELECO	235
TELECOR	108 153 154 186 264 310 400
TELEFUNKEN	108 115 186 276 328 354 356 359 414 416 417 418 419 420 431 435 437 454
TELEFUSION	108 186
TELEGAZI	108 154 170 186 264 310
TELEMEISTER	108 186 208 403 453
TELESONIC	108 186
TELESTAR	108 186 231
TELETECH	108 124 186 300 393
TELETON	107 117 153 167 209 264 305 310 400 405 411
TELEVIDEON	208 264 310 397 400 453
TELEVIEW	108 186
TELEVISIO	220
TELEXA	229

Manufacturer	Setting Numbers
TEMCO	211
TEMPEST	108 124 186
TENNESSEE	108 186
TENSAI	108 124 153 154 186 203 208 211 224 236 242 288 298 299 310 321 372 393 397 400 403 453 124
TENSON	235
TESLA	395
TETUNG	108 124 186 300
TEVION	124 152 153 154 242 321 397 400
TEXET	213 225
THOMAS	108 158 186 210 245 305 328 354 359 405 414 416 417 419 420 430 432 454
THOMSON	108 118 142 185 186 187 197 198 207 213 215 226 227 242 290 294 298 307 321 353 367 369 401 405 417 435 437
THORN	170 185 207 227 294 298 373 379 414 417 431
THORN- FERGUSON	115 129 141 160
TMK	108 124 153 186 225 226 242 264 300 310 321 400
TOKAI	294 400
TOMASHI	154 174
TOSHIBA	107 116 139 142 151 153 159 175 196 198 229 243 270 294 295 400 444
TOSONIC	166
TOTEVISION	109
TOWADA	153 192 209 229 305 400 405
TOYODA	124
TRAKTON	170
TRANS CONTINENS	108 153 186 264 300 395 400
TRANSONIC	108 170 186 187 289 301 303
TRANSTEC	400
TRIAD	108 186
TRIDENT	153 284 400
TRISTAR	154 170
TRIUMPH	108 141 159 186 263 273 284 373 395 444
TSOSCHI	174
TV TEXT	187
TV TEXT 95	108
UHER	108 117 186 208 223 229 242 264 274 276 296 321 375 376 379 381 386 403 411 453 189 225 353
ULTRA	108 186 229 242 262 264 271 297 310 321 351 393 397 400
ULTRAVOX	108 186 281 289 305
UNIC LINE	108 186 287 288
UNITED	101 103
UNIVERSAL	107 108 124 141 153 170 185 186 187 192 207 211 212 223 263 264 273 274 281 282 283 286 295 296 298 299 300 305 308 310 312 345 347 360 365 367 369 372 373 376 393 400 405 414 434 437
UNIVERSUM	108 186 264 297 310 351 401
UNIVOX	310 397
UTAX	105
VECTOR RESEARCH VEGAVOX	223
VESTEL	108 153 186 246 264 300 310 400 410
VEXA	108 124 186
VICTOR	112

Manufacturer	Setting Numbers	Manufacturer	Setting Numbers
VICTORY	336	WEGAVOX	108 124 186
VIDEO SYSTEM	108 186	WELTBlick	108 153 186 453
VIDEOLOGIQUE	153 154 400	WESTINGHOUSE	211
VIDEOSAT	393 394	WESTON	108 186 308
VIDEOTECHNIC	153 242 321 400 453	WHARFEDALE	108 186
VIDEOTON	192 204 264 306 310	WHITE	229
VIDIKRON	113 229	WHITE WESTINGHOUSE	108 152 186 196 208 397 400 403 453
VIDTECH	107 129 160	WINDSOR	300
VISA	107 108 124 125 144 158	WINDSTAR	174
VISIOLA	400	WINDY SAM	108
VISION	108 153 186 208 403 453	WINTEL	287
VISOREX	388	WORLD-TECH	233
VISTAR	117 207 264 411	XRYPTON	108 186
VOLTEC	414	YAMAHA	105 129
VORTEC	108 186	YAMISHI	108 153 154 174 186 289 400
VOXSON	108 144 186 209 223 264 271 296 297 310 351 376 381	YOKAN	108 186
VTQ	228	YOKO	108 124 153 154 170 186 233 274 304 309 393 397 400 198 154
WALTHAM	108 153 186 192 204 209 223 264 300 306 400 416	YORK	
WARDS	100 101 103 104 105 113 115 126 129 135 142 145 160 161 168	ZANUSSI	117 153 175 209 264 361 400 408 411
WATSON	108 124 154 186 208 246 264 300 310 365 403 453	ZENITH	119 126 127
WATT RADIO	192 207 229 262 264 305 310 397 400 405	ZENOR	304
WEGA	107 108 186 264 297 351	ZONDA	122
WEGA COLOR	271 349	ZOPPAS	264 361 408

Product Specifications

Item	Description
Model Name	SMT-C7160
Receiver	DVB-C
Input Connector Type	IEC female in accordance with IEC 60169- 2
Input Impedance	75 Ω
Broadcasting Rx Frequency	47~870 Mhz
Broadcasting Rx Level	-15~+15 dBm (average power)
Type of Broadcasting Rx Modulation	Quadrature Amplitude Modulation
Channels Bandwidth	7 and 8 Mhz
Output Connector Type	IEC male in accordance with IEC 60169- 2
Audio Output Port	Stereo (left/right): 1 port
	Digital Audio (SPDIF): 1 port
Video/Audio Concurrent Output Port	HDMI output: 1 port
	SCART: 2 ports (TV/VCR)
USB	USB 2.0 2 ports (front/rear, FAT file system only)
HDD	250 GB
Rated Voltage, Frequency	AC 230 V \pm 15%, 50 Hz
Rated Power Consumption	Max. 30 W
Operating Temperature	0~40°C
Operating Humidity	20~80% (40°C)
Dimensions (mm)	350 (L) \times 260 (W) \times 35 (H)
Weight	2,495 g

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(Applicable in the European Union and other European countries with separate collection systems)

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Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

BATTERY SYMBOL INFORMATION



Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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ELECTRONICS



UNITED KINGDOM



REPUBLIC OF IRELAND

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**Samsung Electronics (U.K.) Ltd.,
Euro Service Centre, Stafford Park 12,
TELFORD, Shropshire TF3 3BJ,
Tel: 0870) 242 0303, Fax: 01952) 297617**

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1. The warranty is only valid if, when warranty service is required, the warranty card is fully and properly completed and is presented with the original invoice or sales slip or confirmation, and the serial number on the product has not been defaced.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
3. Warranty repairs must be carried out by Authorised Samsung Dealers or Authorised Service Centres. No re-imbursement will be made for repairs carried out by non Samsung Dealers and, any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any Country other than the one for which the product was originally designed and manufactured. This warranty will not cover, and no re-imbursement will be made for such adaptation nor any damage which may result.
5. This warranty covers none of the following:
 - a) Periodic check ups, maintenance and repair or replacement of parts due to normal wear and tear.
 - b) Cost relating to transport, removal or installation of the product.
 - c) Misuse, including the failure to use this product for its normal purposes or incorrect installation.
 - d) Damage caused by Lightning, Water, Fire, Acts of God, War, Public Disturbances, incorrect mains voltage, improper ventilation or any other cause beyond the control of Samsung.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. The consumers statutory rights in any applicable national legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty. Unless there is national legislation to the contrary, the rights under this warranty are the consumers sole rights and Samsung, its subsidiaries and distributors shall not be liable for indirect or consequential loss or any damage to records, compact discs, videos or audio taper or any other related equipment or material.

SAMSUNG ELECTRONICS (U.K.) LTD.

SAMSUNG

ELECTRONICS

WARRANTY CARD

GUARANTEE

GARANZIA

GARANTI

GARANȚIA

GARANTIE

GARANTIA

ГЪРАНТИЯ

GWARANCJA

MODEL NAME

Modelnavn, Nombre de modelo, Nombre del modelo, Nome de modelo, Modellbezeichnung, Modelnaam, Nom du modèle, Il nome di modello, Моделно наименование, NAZWA MODELU

SERIAL NO.

Serienummer, No. de serie, Numero serial, Seriennummer, Serie nummer, Número de série, Il numero di matricola, Αριθμός κατασκευής, NR SERIJNY

DATE OF PURCHASE

Köbetid, Kopsadato, Fecha de compra, Kaufdatum, Datum van aankoop, Date d'achat, La data d'acquisto, Ημερομηνία αγοράς, DATUM ZAKUPU

CUSTOMER'S NAME

Kunden navn, Kunden navn, Nombre de cliente, Nombre del cliente, Nome de cliente, Name des Kunden, Naam van klant, Nom du client, Il nome del cliente, Ονομαστικό του αγοραστή, NAZWIŚKO KLIENŹA

CUSTOMER'S TEL. NO.

Kundesadress, Kundetelefonnummer, No. de Tel. de client, No. de Tel del cliente, Número de teléfono de cliente, telefonnummer des Kunden, telefon nummer van klant, Número de teléfono del client, Il numero de telefono del client, Αριθμός τηλεφώνου του αγοραστή, NR TEL. KLIENŹA

CUSTOMER'S ADDRESS

Kundesadress, Kundesadresse, Dirección de client, Dirección del cliente, Endereco de cliente, Adresse des Kunden, Adres van klant, adresse du client, Indirizzo del cliente, Διεύθυνση του αγοραστή, ADRES KLIENŹA

DEALER'S NAME

Handelsnavn, Forhandler, Nombre de negociante, Nombre del vendedor, Nome de vendedor, Name des Händlers, Naam van handelaar, Nom du marchand, Il nome del commerciante, Ονομα του καταστήματος, NAZWA SKLEPU

DEALER'S TEL. NO.

Handelstelefonnummer, Forhandlerstelefonnummer, No. de Tel. de negociante, No. de Tel. del vendedor, Número de teléfono de vendedor, telefonnummer des Händlers, telefon nummer van handelaar, Número tel phone du marchand, Il numero di telefono del commerciante, Αριθμός τηλεφώνου του καταστήματος, NR TEL. SKLEPU

DEALER'S ADDRESS

Handelsadress, Forhandleradresse, Dirección de negociante, Dirección del vendedor, Endereco de vendedor, Adresse des Händlers, Adres van handelaar, Adresse du marchand, Διεύθυνση του καταστήματος, ADRES SKLEPU

DEALER'S STAMP & SIGNATURE

CUSTOMER'S SIGNATURE

CAUTION

Please ensure the form above is completed at the time of purchase and present it to the dealer to qualify for guarantee service, otherwise your guarantee may be affected.

SAMSUNG

SAMSUNG EUROPEAN BLOC WARRANTY

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Linux Kernel	GPL 2.0
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Version 2.1, February 1999

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